



December 1, 2005

Mr. Harry Nguyen
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Submittal of 4th Quarter 2005 Groundwater Monitoring and Progress Report
Site: Chevron Service Station No. 9-0857
1790 Long Beach Boulevard, Long Beach, California
RWQCB Case No. 908130316

Dear Mr. Nguyen:

On behalf of Chevron Environmental Management Company (CEMC), Science Applications International Corporation (SAIC) has prepared the attached Quarterly Progress Report for the above-referenced site. Work conducted this quarter included groundwater monitoring by Chevron's subcontractor, Blaine Tech, Inc. Electronic Deliverable Format (EDF) files have been uploaded to the State Water Resources Board GeoTracker website.

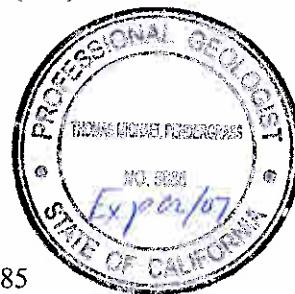
If you have any questions or require additional information, please contact Mr. Daryl Pessler, the SAIC Project Manager, at (714) 257-6404, or Mr. Y.M. Tuan, the CEMC Project Manager, at (714) 671-3373.

Yours very truly,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

Loureen Gomez
Jr. Project Engineer

T. Michael Pendergrass
Professional Geologist No. 5685



- Attachment 1 – 4th Quarter 2005 Progress Report
- Attachment 2 – 4th Quarter 2005 Groundwater Summary
- Attachment 3 – Tables
- Attachment 4 – Plates
- Attachment 5 – Hydrographs
- Attachment 6 – Groundwater Sampling Procedures and Field Sheets
- Attachment 7 – Laboratory Analyses and Chain of Custody Forms
- Attachment 8 – Disposal Records

cc: Mr. Y. M. Tuan, CEMC
SAIC Project File

This report is based upon records and verbal and written information made available to SAIC by CEMC and its subcontractors. Because the investigation consisted of collecting and evaluating a limited supply of information, SAIC may not have identified all potential items of concern and, therefore, SAIC warrants only that the project activities under this contract have been performed within the parameters and scope communicated by CEMC and reflected in the contract. SAIC has made no independent investigations concerning the accuracy or completeness of the information relied upon. This report is intended to be used in its entirety. Taking or using in any way excerpts from this report are not permitted and any party doing so does so at its own risk.

ATTACHMENT 1

4th QUARTER 2005 PROGRESS REPORT

Chevron Environmental Management Company
Facility No. 9-0857
Quarterly Progress Report
4th Quarter 2005

**California Regional Water
Quality Control Board**
Los Angeles Region
December 1, 2005

1. SITE INFORMATION:

- RWQCB Case No.
- Site Name
- Address
- City

908130316
Chevron Service Station No. 9-0857
1790 Long Beach Boulevard
Long Beach, California

2. RESPONSIBLE PARTY INFORMATION:

- Contact
- Company
- Address
- City / Zip
- Phone

Mr. Y. M. Tuan
Chevron Environmental Management Company
P.O. Box 2292
Brea, California 92822-2292
714 – 671-3373

3. CONSULTANT INFORMATION:

- Contact
- Company
- Address
- City / Zip
- Phone

Mr. Daryl Pessler
Science Applications International Corporation
590 W. Central Avenue, Suite I
Brea, California 92821
714 – 257-6404

4. WORK PERFORMED THIS QUARTER:

- Groundwater monitoring

5. WORK PROPOSED FOR NEXT QUARTER:

- Groundwater monitoring
- Submittal of formal closure request

6. CURRENT PHASE OF PROJECT (Initial Assessment, Additional Assessment, CAP, Remediation, Post-Remediation Monitoring, etc.):

- Groundwater monitoring

7. DESCRIBE CORRECTIVE AND REMEDIAL TECHNIQUES TO BE IMPLEMENTED IN THE FUTURE AND INCLUDE TIME SCHEDULE FOR THE INITIATION OF THE ASSOCIATED ACTIVITIES (NAPL Removal, Pump and Treat, VES, Excavation, etc.):

- None at this time

8. CURRENTLY MONITORING (Soil, Groundwater, None):

- Groundwater

9. MONITORING FREQUENCY (Quarterly, Monthly, etc.):

- Quarterly

10. DESCRIBE CORRECTIVE AND REMEDIAL TECHNIQUES, INCLUDING INVESTIGATIONS, IMPLEMENTED TO DATE WHICH WERE UNDERTAKEN TO DETERMINE THE NATURE AND EXTENT OF SOIL, GROUNDWATER, OR SURFACE WATER CONTAMINATION (NAPL Removal, Pump and Treat, VES, Excavation, etc.):

- Site assessment
- UST removal
- Baseline site assessment
- Groundwater monitoring
- Additional site assessment
- Vapor extraction

11. CUMULATIVE SOIL REMOVED TO DATE (cubic yards):

- None

12. SOIL REMOVED THIS QUARTER (cubic yards):

- None

13. ARE CONTAMINATED SOILS OR LIQUIDS GENERATED FROM INVESTIGATIONS OR CLEANUPS CURRENTLY STORED ON SITE?

- No
 - Date generated
 - How much?
- N/A
N/A

ATTACHMENT 2

4th QUARTER 2005 GROUNDWATER SUMMARY

GROUNDWATER MONITORING SUMMARY

CURRENT FIELD ACTIVITIES

Groundwater monitoring frequency:	Quarterly
Activity date:	10/17/2005
Field subcontractor:	Blaine Tech Services, Inc.
Purging method:	Submersible pump
Purging subcontractor:	Blaine Tech Services, Inc.
Disposal method/facility:	Phillips Services Corporation/ US Filters
Gallons of groundwater purged:	Approximately 220
Number of groundwater wells total:	7
Number of groundwater wells offsite:	2
Number of wells sampled this period:	7
Number of wells with NAPL:	0
Cumulative NAPL recovered to date (gallons):	None
NAPL recovered this quarter (gallons):	None

SITE HYDROLOGY

Average groundwater elevation (of wells gauged):	4.08 feet above MSL
Groundwater elevation change from previous quarter:	+ 0.96 foot
Approximate groundwater flow direction:	North and West
Approximate hydraulic gradient:	0.005 ft/ft

GROUNDWATER CONDITIONS

Maximum benzene concentration:	150 µg/L – MW-5
Minimum benzene concentration:	ND<0.28 µg/L – Three wells
Historical maximum benzene concentration:	3,500 µg/L – MW-4 (10/31/92)
Maximum MtBE concentration:	35 µg/L – MW-5
Minimum MtBE concentration:	1.1 J µg/L – MW-9
Historical maximum MtBE concentration:	8,000 µg/L – MW-6 (1/10/00: 8021B) 7,220 µg/L – VS-4 (4/11/02: 8260B)

GROUNDWATER TRENDS AND OBSERVATIONS

- ETBE, DIPE, and TAME were not detected in any wells this quarter. TBA was detected in three wells at a maximum concentration of 180 µg/L in MW-6.
- TPHg was detected in MW-5 (1,000 µg/L) and MW-6 (1,600 µg/L).
- MtBE is on a decreasing trend in all wells, with concentrations in all wells below 100 µg/L for the last four consecutive quarters.
- The rise in groundwater elevation caused by recent rains has also resulted in a shift of groundwater gradient from mostly north during the 4th quarter 2004 sampling event to south and east again this quarter, but gradient is extremely flat at 0.005 ft/ft.

ATTACHMENT 3

TABLES

Table 1. Current Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Service Station No. 9-0857
1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing	Depth to GW	GW Elevation	Depth of Well	Ethyl-Benzene			Total Xylenes			MTBE	ETBE	DIPE	TAME	TBA	Comments
		(feet)	(feet)	(feet)	(feet)	(ug/L)	Benzene (ug/L)	Toluene (ug/L)	Benzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)		
MW-2	10/17/2005	30.88	26.81	4.07	46.50	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	6.4	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--	
MW-4	10/17/2005	30.62	26.59	4.03	50.50	ND<50	0.34 J	ND<0.36	ND<0.25	ND<0.52	3.3 J	ND<0.28	ND<0.25	ND<0.33	28	--	
MW-5	10/17/2005	30.25	26.16	4.09	53.44	1,000	150	2.6 J	8.8 J	ND<1.3	35	ND<0.70	ND<0.62	ND<0.82	25 J	--	
MW-6	10/17/2005	31.66	27.55	4.11	39.11	1,600	38	0.90 J	160	81	19	ND<0.70	ND<0.62	ND<0.82	180	--	
MW-7	10/17/2005	32.15	28.00	4.15	39.15	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	11	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--	
MW-8	10/17/2005	29.25	25.22	4.03	49.39	ND<50	1.3 J	0.50 J	ND<0.25	ND<0.52	2.0 J	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--	
MW-9	10/17/2005	29.44	25.36	4.08	49.60	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	1.1 J	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--	
Trip Blank	10/17/2005	--	--	--	--	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	ND<0.32	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--	

Notes: ug/L = Micrograms per liter

ND = Not detected

NAPL = Non-aqueous phase liquid

TPHg = Total petroleum hydrocarbons as gasoline

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol analyzed by EPA Method 8260B

J = denotes value between method detection limit and detection limit for reporting purposes

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-1	11/25/1991	29.07	33.05	0.97	-3.98	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/29/1992	29.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well obstructed	
MW-1	8/22/1992	29.07	33.45	2.12	-4.38	--	--	--	--	--	--	--	--	--	--	--	Survey data 9/23/92	
MW-1	10/31/1992	29.07	33.53	1.66	-4.46	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/18/1993	29.07	32.85	1.54	-3.78	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/27/1993	29.07	33.10	0.90	-4.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/27/1993	29.07	32.15	1.30	-3.08	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	6/29/1993	29.07	31.72	0.95	-2.65	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	7/16/1993	29.07	31.68	0.79	-2.61	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/19/1993	29.07	31.37	0.56	-2.30	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	9/18/1993	29.07	31.34	0.53	-2.27	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	10/11/1993	29.07	31.34	0.51	-2.27	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/15/1993	29.07	31.25	0.43	-2.18	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	12/2/1993	29.07	31.07	0.30	-2.00	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/7/1994	29.07	31.20	0.40	-2.13	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/8/1994	29.07	31.11	0.37	-2.04	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	3/5/1994	29.07	30.92	0.32	-1.85	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/4/1994	29.07	30.89	0.31	-1.82	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/14/1994	29.07	30.95	0.40	-1.88	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	6/10/1994	29.07	30.90	0.35	-1.83	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/25/1994	29.07	31.00	0.47	-1.93	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/9/1994	29.07	30.93	0.55	-1.86	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/16/1995	29.07	30.66	0.56	-1.59	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/5/1995	29.07	30.33	0.32	-1.26	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/16/1995	29.07	29.95	0.24	-0.88	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/15/1995	29.07	29.82	0.17	-0.75	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/26/1996	29.07	29.93	0.22	-0.86	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	6/4/1996	29.37	29.93	0.78	-0.56	--	--	--	--	--	--	--	--	--	--	--	Resurveyed	
MW-1	8/8/1996	29.37	31.66	--	-2.29	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/12/1996	29.37	30.19	0.20	-0.82	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/3/1997	29.37	29.06	--	0.31	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/20/1997	29.37	29.40	--	-0.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/12/1997	29.37	29.55	0.10	-0.18	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/22/1997	29.37	29.70	0.23	-0.33	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/27/1998	29.37	29.50	0.10	-0.13	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/27/1998	29.37	28.67	0.01	0.70	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	7/10/1998	29.37	28.40	0	0.97	--	96,000	1800	14,000	5300	30,000	ND	--	--	--	--	--	
MW-1	7/10/1998	29.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Found	
MW-1	1/21/1999	29.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Found	
MW-1	4/29/1999	29.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Found	
MW-1	7/27/1999	29.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned	
MW-2	11/25/1991	28.99	32.66	0	-3.67	--	4100	530	11	470	720	--	--	--	--	--	--	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-2	5/29/1992	28.99	32.33	0	-3.34	--	1600	110	49	210	220	--	--	--	--	--	--	
MW-2	8/22/1992	28.99	32.40	0	-3.41	--	4000	520	450	420	870	--	--	--	--	--	Survey data 9/23/92	
MW-2	10/31/1992	28.99	32.34	0	-3.35	--	7600	840	670	860	1400	--	--	--	--	--	--	
MW-2	2/18/1993	28.99	31.64	0	-2.65	--	1900	470	320	550	7800	--	--	--	--	--	--	
MW-2	4/27/1993	28.99	31.41	0	-2.42	--	2900	850	2.7	260	150	--	--	--	--	--	--	
MW-2	5/27/1993	28.99	31.23	--	-2.24	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	6/29/1993	28.99	31.12	--	-2.13	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	7/16/1993	28.99	31.13	0	-2.14	--	6100	350	330	760	1100	--	--	--	--	--	--	
MW-2	8/19/1993	28.99	31.02	--	-2.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	9/18/1993	28.99	30.98	--	-1.99	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	10/11/1993	28.99	31.02	--	-2.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	11/15/1993	28.99	31.02	--	-2.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	12/2/1993	28.99	30.86	0	-1.87	--	4000	250	180	640	770	--	--	--	--	--	--	
MW-2	1/7/1994	28.99	31.00	--	-2.01	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	2/8/1994	28.99	30.93	0	-1.94	--	3500	230	150	440	430	--	--	--	--	--	--	
MW-2	3/5/1994	28.99	30.78	--	-1.79	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	4/4/1994	28.99	30.72	0	-1.73	--	4600	320	290	600	760	--	--	--	--	--	--	
MW-2	5/14/1994	28.99	30.71	--	-1.72	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	6/10/1994	28.99	30.73	--	-1.74	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	8/25/1994	28.99	30.70	0	-1.71	--	3000	140	53	230	210	--	--	--	--	--	--	
MW-2	11/9/1994	28.99	30.62	0	-1.63	--	2000	110	48	110	150	--	--	--	--	--	--	
MW-2	2/16/1995	28.99	30.30	0	-1.31	--	2200	290	4.5	240	120	--	--	--	--	--	--	
MW-2	5/5/1995	28.99	29.71	0	-0.72	--	1100	79	24	59	120	--	--	--	--	--	--	
MW-2	8/16/1995	28.99	29.52	0	-0.53	--	ND	55	ND	9.0	5.0	--	--	--	--	--	--	
MW-2	11/15/1995	28.99	29.31	0	-0.32	--	1400	60	3.0	30	60	--	--	--	--	--	--	
MW-2	2/26/1996	28.99	29.35	0	-0.36	--	1000	74	2.5	34	71	--	--	--	--	--	--	
MW-2	6/4/1996	28.95	29.16	0	-0.21	--	560	69	ND	23	95	--	--	--	--	--	Resurveyed	
MW-2	8/8/1996	28.95	32.00	0	-3.05	--	110	5.0	2.2	1.7	27	160	--	--	--	--	--	
MW-2	11/12/1996	28.95	29.57	0	-0.62	--	750	54	ND	50	120	410	--	--	--	--	--	
MW-2	2/3/1997	28.95	29.05	0	-0.10	--	ND	0.7	ND	ND	ND	23	--	--	--	--	--	
MW-2	5/20/1997	28.95	29.05	0	-0.10	--	210	15	ND	11	20	95	--	--	--	--	--	
MW-2	8/12/1997	28.95	29.05	0	-0.10	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-2	11/22/1997	28.95	29.05	0	-0.10	--	2400	130	160	240	450	300	--	--	--	--	--	
MW-2	1/27/1998	28.95	29.00	0	-0.05	--	140	1.4	ND	1.0	1.8	210	--	--	--	--	--	
MW-2	4/27/1998	28.95	28.20	0	0.75	--	120	9.0	9.6	1.8	11	130	--	--	--	--	--	
MW-2	7/10/1998	28.95	28.80	0	0.15	--	160	14	33	5.0	22	98	120	--	--	--	--	
MW-2	1/21/1999	28.95	30.16	0	-1.21	--	ND<500	16.3	10.3	7.98	16.9	233	210	--	--	--	--	
MW-2	4/29/1999	28.95	30.93	0	-1.98	--	1330	ND<3.0	3.6	ND<3.0	ND<6.0	180	170	--	--	--	--	
MW-2	7/27/1999	28.95	30.94	0	-1.99	--	ND<500	ND<0.3	ND<0.3	ND<0.3	1.2	175	149	--	--	--	--	
MW-2	11/3/1999	28.95	30.65	0	-1.70	--	230	0.4	1.0	ND<0.3	ND<0.6	230	123	--	--	--	--	
MW-2	1/10/2000	28.95	30.80	0	-1.85	--	1010	1.4	ND<0.3	0.8	2.0	94	98	--	--	--	--	
MW-2	4/5/2000	28.95	30.53	0	-1.58	--	ND<1000	2.0	4.0	2.0	6.0	55	42	--	--	--	--	
MW-2	7/12/2000	28.95	30.52	0	-1.57	--	92	4.0	1.0	ND<0.6	ND<1.2	92	48	--	--	--	--	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-2	11/1/2000	28.80	30.26	0	-1.46	--	164 J	6.2	5.9	ND<5	9.9	--	59	--	--	--	--	--
MW-2	1/3/2001	28.80	30.26	0	-1.46	--	190	4.4 J	ND<5.0	3.6 J	3.0 J	--	35	ND<5	ND<5	ND<5	87	--
MW-2	4/24/2001	28.80	29.70	0	-0.90	46.77	104	ND<5	ND<5	ND<5	ND<5	--	23	ND<1	ND<1	ND<1	24	--
MW-2	7/10/2001	28.80	29.75	0	-0.95	46.60	116	ND<5	ND<5	ND<5	ND<5	--	59	ND<1	ND<1	ND<1	26	--
MW-2	10/17/2001	28.80	29.80	0	-1.00	46.60	137	3.0	ND<5	ND<5	ND<5	--	27	ND<1	ND<1	ND<1	32	--
MW-2	1/2/2002	28.80	29.89	0	-1.09	46.55	ND<100	ND<1	ND<5	ND<5	ND<5	--	26	ND<1	ND<1	ND<1	6.8J	--
MW-2	4/11/2002	28.80	29.92	0	-1.12	46.50	ND<100	ND<1	ND<5	ND<5	ND<5	--	19	ND<1	ND<1	ND<1	ND<10	--
MW-2	7/2/2002	30.88	30.09	0	0.79	46.70	64	ND<1	ND<1	3.4	2.8	--	37	ND<2	ND<2	ND<2	45	*Resurveyed
MW-2	10/3/2002	30.88	30.30	0	0.58	46.95	ND<50	ND<1	ND<1	ND<1	ND<1	--	21	ND<2	ND<2	ND<2	29	--
MW-2	1/21/2003	30.88	30.03	0	0.85	46.69	ND<50	ND<1	ND<1	ND<1	ND<1	--	22	ND<2	ND<2	ND<2	30	--
MW-2	4/29/2003	30.88	29.62	0	1.26	46.70	ND<50	ND<1	ND<1	ND<1	ND<1	--	18	ND<2	ND<2	ND<2	27	--
MW-2	7/24/2003	30.88	29.37	0	1.51	46.67	ND<50	ND<1	ND<1	ND<1	ND<1	--	22	ND<2	ND<2	ND<2	16 J	--
MW-2	10/17/2003	30.88	29.23	0	1.65	46.65	ND<50	ND<1	ND<1	ND<1	ND<1	--	18	ND<2	ND<2	ND<2	ND<10	--
MW-2	1/30/2004	30.88	29.16	0	1.72	46.68	50 J	ND<1	ND<1	ND<1	ND<1	--	11	ND<2	ND<2	ND<2	14 J	--
MW-2	4/19/2004	30.88	29.10	0	1.78	46.67	ND<50	ND<1	ND<1	ND<1	ND<1	--	16	ND<2	ND<2	ND<2	23 J	--
MW-2	7/8/2004	30.88	29.07	0	1.81	46.69	ND<50	ND<1	ND<1	ND<1	ND<1	--	11	ND<2	ND<2	ND<2	20 J	--
MW-2	11/8/2004	30.88	29.06	0	1.82	46.75	ND<50	ND<1	ND<1	ND<1	ND<1	--	9.8	ND<2	ND<2	ND<2	ND<10	--
MW-2	1/21/2005	30.88	28.51	0	2.37	46.71	ND<50	ND<1	ND<1	ND<1	ND<1	--	13	ND<2	ND<2	ND<2	11 J	--
MW-2	4/7/2005	30.88	27.61	0	3.27	46.58	ND<50	ND<1	ND<1	ND<1	ND<1	--	39	ND<2	ND<2	ND<2	37	--
MW-2	8/17/2005	30.88	27.00	0	3.88	46.61	ND<50	ND<1	ND<1	ND<1	ND<1	--	8.0	ND<2	ND<2	ND<2	17 J	--
MW-2	10/17/2005	30.88	26.81	0	4.07	46.50	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	--	6.4	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--
MW-3	11/25/1991	29.91	33.37	0	-3.46	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-3	5/29/1992	29.91	33.00	0	-3.09	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-3	8/22/1992	29.91	32.97	0	-3.06	--	ND	1.4	1.1	0.9	0.9	--	--	--	--	--	--	--
MW-3	10/31/1992	29.91	32.99	0	-3.08	--	ND	0.4	ND	ND	ND	--	--	--	--	--	--	--
MW-3	2/18/1993	29.91	32.49	0	-2.58	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-3	4/27/1993	29.91	32.15	0	-2.24	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-3	5/27/1993	29.91	31.98	--	-2.07	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/29/1993	29.91	31.83	--	-1.92	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	7/16/1993	29.91	31.86	0	-1.95	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-3	8/19/1993	29.91	22.74	--	7.17	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	9/18/1993	29.91	37.71	--	-7.80	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/11/1993	29.91	31.73	--	-1.82	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/15/1993	29.91	31.71	--	-1.80	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/2/1993	29.91	31.61	0	-1.70	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-3	1/7/1994	29.91	31.69	--	-1.78	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/8/1994	29.91	31.62	0	-1.71	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-3	3/5/1994	29.91	31.52	--	-1.61	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	4/4/1994	29.91	31.44	0	-1.53	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-3	5/14/1994	29.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/10/1994	29.91	31.41	--	-1.50	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/25/1994	29.91	31.37	0	-1.46	--	ND	0.71	1.0	2.2	3.2	--	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-3	11/9/1994	29.91	31.38	0	-1.47	--	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW-3	2/16/1995	29.91	31.00	0	-1.09	--	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW-3	5/5/1995	29.91	30.43	0	-0.52	--	ND	1.2	2.4	ND	1.8	--	--	--	--	--	--	
MW-3	8/16/1995	29.91	30.26	0	-0.35	--	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW-3	11/15/1995	29.91	30.23	0	-0.32	--	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW-3	2/26/1996	29.91	30.22	0	-0.31	--	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW-3	6/4/1996	29.91	30.08	0	-0.17	--	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW-3	8/8/1996	29.91	30.20	0	-0.29	--	ND	ND	ND	ND	26	--	--	--	--	--	--	
MW-3	11/12/1996	29.91	30.45	0	-0.54	--	ND	ND	ND	ND	18	--	--	--	--	--	--	
MW-3	2/3/1997	29.91	29.95	0	-0.04	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	5/20/1997	29.91	29.92	0	-0.01	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	8/12/1997	29.91	29.95	0	-0.04	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	11/22/1997	29.91	29.97	0	-0.06	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	1/27/1998	29.91	29.93	0	-0.02	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	4/27/1998	29.91	29.16	0	0.75	--	150	17	20	4.0	26	16	--	--	--	--	--	
MW-3	7/10/1998	29.91	28.85	0	1.06	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	1/21/1999	29.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	4/29/1999	29.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer monitored	
MW-4	11/25/1991	28.77	32.41	0	-3.64	--	1,300	280	4.5	35	63	--	--	--	--	--	--	
MW-4	5/29/1992	28.77	32.00	0	-3.23	--	3,000	1,100	83	140	260	--	--	--	--	--	--	
MW-4	8/22/1992	28.77	31.92	0	-3.15	--	6,000	2,500	230	480	670	--	--	--	--	--	Survey data 9/23/92	
MW-4	10/31/1992	28.77	31.95	0	-3.18	--	9,000	3,500	310	780	1100	--	--	--	--	--	--	
MW-4	2/18/1993	28.77	31.44	0	-2.67	--	1,400	1,200	7.5	290	62	--	--	--	--	--	--	
MW-4	4/27/1993	28.77	31.11	0	-2.34	--	4,000	1,000	170	280	220	--	--	--	--	--	--	
MW-4	5/27/1993	28.77	30.90	--	-2.13	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	6/29/1993	28.77	30.71	--	-1.94	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	7/16/1993	28.77	30.72	0	-1.95	--	2100	590	28	180	130	--	--	--	--	--	--	
MW-4	8/19/1993	28.77	29.72	--	-0.95	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	9/18/1993	28.77	30.67	--	-1.90	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	10/11/1993	28.77	30.70	--	-1.93	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/15/1993	28.77	30.68	--	-1.91	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	12/2/1993	28.77	30.61	0	-1.84	--	760	180	1.3	76	22	--	--	--	--	--	--	
MW-4	1/7/1994	28.77	30.66	--	-1.89	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/8/1994	28.77	30.60	0	-1.83	--	2100	560	9.5	220	120	--	--	--	--	--	--	
MW-4	3/5/1994	28.77	30.50	--	-1.73	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	4/4/1994	28.77	30.43	0	-1.66	--	1600	470	4.9	170	67	--	--	--	--	--	--	
MW-4	5/14/1994	28.77	30.41	--	-1.64	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	6/10/1994	28.77	30.40	--	-1.63	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/25/1994	28.77	30.32	0	-1.55	--	690	150	1.6	59	9.3	--	--	--	--	--	--	
MW-4	11/9/1994	28.77	30.11	0	-1.34	--	9200	2,200	75	790	980	--	--	--	--	--	--	
MW-4	2/16/1995	28.77	29.87	0	-1.10	--	ND	0.73	0.43	ND	0.88	--	--	--	--	--	--	
MW-4	5/5/1995	28.77	29.38	0	-0.61	--	240	55	5.2	18	20	--	--	--	--	--	--	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-4	8/16/1995	28.77	29.22	0	-0.45	--	ND	37	ND	8.0	7.0	--	--	--	--	--	--	
MW-4	11/15/1995	28.77	29.08	0	-0.31	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-4	2/26/1996	28.77	29.08	0	-0.31	--	ND	1.7	ND	ND	ND	--	--	--	--	--	--	
MW-4	6/4/1996	28.69	28.97	0	-0.28	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-4	8/8/1996	28.69	29.08	0	-0.39	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-4	11/12/1996	28.69	29.30	0	-0.61	--	430	1.4	0.5	5.2	5.4	15	--	--	--	--	--	
MW-4	2/3/1997	28.69	28.80	0	-0.11	--	ND	0.37	ND	ND	0.83	ND	--	--	--	--	--	
MW-4	5/20/1997	28.69	28.80	0	-0.11	--	ND	4.3	ND	1.9	0.98	ND	--	--	--	--	--	
MW-4	8/12/1997	28.69	28.78	0	-0.09	--	78	3.7	ND	1.3	0.76	ND	--	--	--	--	--	
MW-4	11/22/1997	28.69	28.84	0	-0.15	--	ND	0.99	ND	1.2	ND	ND	--	--	--	--	--	
MW-4	1/27/1998	28.69	28.70	0	-0.01	--	910	68	40	110	160	ND	--	--	--	--	--	
MW-4	4/27/1998	28.69	27.95	0	0.74	--	1100	270	17	21	200	86	--	--	--	--	--	
MW-4	7/10/1998	28.69	27.68	0	1.01	--	660	110	50	20	73	ND	--	--	--	--	--	
MW-4	1/21/1999	28.69	30.05	0	-1.36	--	ND<5000	247	ND<3.0	ND<3.0	507	ND<100	--	--	--	--	--	
MW-4	4/29/1999	28.69	30.87	0	-2.18	--	13,540	1120	92	31	600	ND<1000	--	--	--	--	--	
MW-4	7/27/1999	28.69	30.75	0	-2.06	--	10,300	920	3.2	92	95	632	441	--	--	--	--	
MW-4	11/3/1999	28.69	30.48	0	-1.79	--	2050	635	3.0	1.4	42	453	356	--	--	--	--	
MW-4	1/10/2000	28.69	30.53	0	-1.84	--	7280	1,020	13	10	37	525	338	--	--	--	--	
MW-4	4/5/2000	28.69	30.31	0	-1.62	--	1790	68	12	ND<6.0	28	1790	1,070	--	--	--	--	
MW-4	7/12/2000	28.69	30.72	0	-2.03	--	987	462	2.0	2.0	ND<3.0	987	1,080	--	--	--	--	
MW-4	11/1/2000	28.54	30.09	0	-1.55	--	3160	680	6.3	8.6	10	--	2,370	--	--	--	--	
MW-4	1/3/2001	28.54	30.01	0	-1.47	--	2000	490	ND<25	6.4 J	ND<25	--	850	ND<25	ND<25	ND<25	1400	
MW-4	4/24/2001	28.54	29.50	0	-0.96	50.60	309	ND<5	ND<5	ND<5	ND<5	--	183	ND<1	ND<1	ND<1	418	
MW-4	7/10/2001	28.54	29.54	0	-1.00	50.45	1140	334	ND<5	ND<5	ND<5	--	454	ND<1	ND<1	11	937	
MW-4	10/17/2001	28.54	29.57	0	-1.03	50.50	1,020	174	ND<5	ND<5	ND<5	--	221	ND<1	ND<1	ND<1	292	
MW-4	1/2/2002	28.54	29.64	0	-1.10	51.55	596	85	ND<5	ND<5	ND<5	--	150	ND<1	ND<1	ND<1	517	
MW-4	4/11/2002	28.54	29.68	0	-1.14	50.45	487	48	ND<5	ND<5	ND<5	--	146	ND<1	ND<1	ND<1	ND<10	
MW-4	7/2/2002	30.62	29.78	0	0.84	50.45	330	50	ND<5	ND<5	ND<5	--	230	ND<10	ND<10	ND<10	3,300	
MW-4	10/3/2002	30.62	29.96	0	0.66	50.69	230	16	ND<1	ND<1	1.2J	--	100	ND<2	ND<2	ND<2	1,700	
MW-4	1/21/2003	30.62	29.75	0	0.87	50.64	92 J	6.9	ND<1	ND<1	ND<1	--	44	ND<2	ND<2	ND<2	1,900	
MW-4	4/29/2003	30.62	29.38	0	1.24	50.70	ND<50	ND<1	ND<1	ND<1	ND<1	--	13	ND<2	ND<2	ND<2	990	
MW-4	7/24/2003	30.62	29.13	0	1.49	50.63	ND<50	1.9 J	ND<1	ND<1	ND<1	--	28	ND<2	ND<2	ND<2	610	
MW-4	10/17/2003	30.62	28.99	0	1.63	50.65	ND<50	ND<1	ND<1	ND<1	ND<1	--	42	ND<2	ND<2	ND<2	380	
MW-4	1/30/2004	30.62	28.88	0	1.74	50.68	61 J	3.2 J	ND<1	ND<1	ND<1	--	34	ND<2	ND<2	ND<2	750	
MW-4	4/19/2004	30.62	28.88	0	1.74	50.61	ND<50	1.4 J	ND<1	ND<1	ND<1	--	28	ND<2	ND<2	ND<2	600	
MW-4	7/8/2004	30.62	28.79	0	1.83	50.60	ND<50	ND<1	ND<1	ND<1	ND<1	--	20	ND<2	ND<2	ND<2	500	
MW-4	11/8/2004	30.62	28.74	0	1.88	50.54	ND<50	ND<1	ND<1	ND<1	ND<1	--	25	ND<2	ND<2	ND<2	280	
MW-4	1/21/2005	30.62	28.28	0	2.34	50.59	ND<50	ND<1	ND<1	ND<1	ND<1	--	18	ND<2	ND<2	ND<2	54	
MW-4	4/7/2005	30.62	27.45	0	3.17	50.54	ND<50	ND<1	ND<1	ND<1	ND<1	--	15	ND<2	ND<2	ND<2	36	
MW-4	8/17/2005	30.62	26.80	0	3.82	50.53	ND<50	ND<1	ND<1	ND<1	ND<1	--	3.6 J	ND<2	ND<2	ND<2	44	
MW-4	10/17/2005	30.62	26.59	0	4.03	50.50	ND<50	0.34 J	ND<0.36	ND<0.25	ND<0.52	--	3.3 J	ND<0.28	ND<0.25	ND<0.33	28	
MW-5	11/25/1991	28.44	32.07	0	-3.63	--	2500	460	6.9	180	170	--	--	--	--	--	--	

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Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-5	5/29/1992	28.44	31.66	0	-3.22	--	330	28	0.7	5.2	12	--	--	--	--	--	--	
MW-5	8/22/1992	28.44	31.71	0	-3.27	--	2100	650	ND	230	96	--	--	--	--	--	Survey data 9/23/92	
MW-5	10/31/1992	28.44	31.61	0	-3.17	--	ND	160	1.7	40	29	--	--	--	--	--	--	
MW-5	2/18/1993	28.44	31.06	0	-2.62	--	620	430	20	160	82	--	--	--	--	--	--	
MW-5	4/27/1993	28.44	30.76	0	-2.32	--	10,000	800	800	1100	2100	--	--	--	--	--	--	
MW-5	5/27/1993	28.44	30.62	--	-2.18	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	6/29/1993	28.44	30.49	--	-2.05	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	7/16/1993	28.44	30.50	0	-2.06	--	2000	740	1.5	220	110	--	--	--	--	--	--	
MW-5	8/19/1993	28.44	30.38	--	-1.94	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	9/18/1993	28.44	30.33	--	-1.89	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	10/11/1993	28.44	30.36	--	-1.92	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	11/15/1993	28.44	30.33	--	-1.89	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	12/2/1993	28.44	30.24	0	-1.80	--	1700	590	4.1	230	84	--	--	--	--	--	--	
MW-5	1/7/1994	28.44	30.33	--	-1.89	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	2/8/1994	28.44	30.26	0	-1.82	--	8400	3,000	11	1000	500	--	--	--	--	--	--	
MW-5	3/5/1994	28.44	30.15	--	-1.71	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	4/4/1994	28.44	30.08	0	-1.64	--	4500	1,500	5.8	530	460	--	--	--	--	--	--	
MW-5	5/14/1994	28.44	30.08	--	-1.64	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	6/10/1994	28.44	30.06	--	-1.62	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	8/25/1994	28.44	30.03	0	-1.59	--	2000	260	1.7	180	120	--	--	--	--	--	--	
MW-5	11/9/1994	28.44	29.99	0	-1.55	--	11,000	1,300	9.4	1100	600	--	--	--	--	--	--	
MW-5	2/16/1995	28.44	29.57	0	-1.13	--	960	300	ND	94	46	--	--	--	--	--	--	
MW-5	5/5/1995	28.44	29.03	0	-0.59	--	6000	1,600	11	530	260	--	--	--	--	--	--	
MW-5	8/16/1995	28.44	28.86	0	-0.42	--	2570	1,100	ND	70	40	--	--	--	--	--	--	
MW-5	11/15/1995	28.44	28.73	0	-0.29	--	1150	290	1.0	3.0	4.0	--	--	--	--	--	--	
MW-5	2/26/1996	28.44	28.73	0	-0.29	--	370	94	ND	2.6	2.5	--	--	--	--	--	--	
MW-5	6/4/1996	28.32	28.58	0	-0.26	--	62	9.1	ND	1.1	1.5	--	--	--	--	--	Resurveyed	
MW-5	8/8/1996	28.32	29.63	0	-1.31	--	ND	9.8	ND	0.36	2.1	170	--	--	--	--	--	
MW-5	11/12/1996	28.32	28.95	0	-0.63	--	ND	4.8	ND	0.46	0.92	91	--	--	--	--	--	
MW-5	2/3/1997	28.32	28.85	0	-0.53	--	1000	43	ND	40	190	ND	--	--	--	--	--	
MW-5	5/20/1997	28.32	28.45	0	-0.13	--	370	91	ND	40	5.7	21	--	--	--	--	--	
MW-5	8/12/1997	28.32	28.44	0	-0.12	--	1600	150	ND	260	41	ND	--	--	--	--	--	
MW-5	11/22/1997	28.32	28.44	0	-0.12	--	20,000	410	490	670	7300	ND	--	--	--	--	--	
MW-5	1/27/1998	28.32	28.40	0	-0.08	--	710	38	30	50	61	23	--	--	--	--	--	
MW-5	4/27/1998	28.32	27.62	0	0.70	--	220	17	15	8.2	20	17	--	--	--	--	--	
MW-5	7/10/1998	28.32	27.33	0	0.99	--	640	50	110	17	66	ND	--	--	--	--	--	
MW-5	1/21/1999	28.32	29.68	0	-1.36	--	13,300	565	ND<3.0	ND<3.0	73.4	270	400	--	--	--	--	
MW-5	4/29/1999	28.32	30.36	0	-2.04	--	18,350	2510	74	68	760	370	340	--	--	--	--	
MW-5	7/27/1999	28.32	30.36	0	-2.04	--	8540	1160	8.3	18	83	442	317	--	--	--	--	
MW-5	11/3/1999	28.32	30.08	0	-1.76	--	1580	807	8.0	4.0	3.7	448	333	--	--	--	--	
MW-5	1/10/2000	28.32	30.18	0	-1.86	--	6530	825	22	24	53	530	362	--	--	--	--	
MW-5	4/5/2000	28.32	29.83	0	-1.51	--	2360	425	5.0	7.0	5.0	535	396	--	--	--	--	
MW-5	7/12/2000	28.32	29.88	0	-1.56	--	764	293	ND<3.0	5.0	ND<6.0	764	1,340	--	--	--	--	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-5	11/1/2000	28.17	29.76	0	-1.59	--	2280	342	4.8 J	14	7.8	--	715	--	--	--	--	
MW-5	1/3/2001	28.17	29.65	0	-1.48	--	2200	300	ND<50	19 J	ND<50	--	1,200	ND<50	ND<50	ND<50	190J	
MW-5	4/24/2001	28.17	29.00	0	-0.83	53.41	2,470	207	ND<5	42	ND<5	--	250	ND<1	ND<1	ND<1	206	
MW-5	7/10/2001	28.17	29.13	0	-0.96	53.35	2,440	517	ND<5	120	ND<5	--	478	ND<1	ND<1	ND<1	176	
MW-5	10/17/2001	28.17	29.25	0	-1.08	53.38	3,560	598	7.3	34	ND<5	--	306	ND<1	ND<1	ND<1	312	
MW-5	1/2/2002	28.17	29.30	0	-1.13	53.25	1,680	203	ND<50	ND<50	ND<50	--	191	ND<10	ND<10	ND<10	ND<100	
MW-5	4/11/2002	28.17	29.32	0	-1.15	53.30	1,280	96	ND<5	ND<5	ND<5	--	157	ND<1	ND<1	ND<1	121	
MW-5	7/2/2002	30.25	29.43	0	0.82	53.85	1,700	150	ND<2.5	6.2	ND<2.5	--	300	ND<5	ND<5	ND<5	690	
MW-5	10/3/2002	30.25	29.58	0	0.67	53.63	1,200	67	ND<1	2.8J	1.4J	--	220	ND<2	ND<2	ND<2	1,200	
MW-5	1/21/2003	30.25	29.42	0	0.83	53.37	500	12 J	ND<10	ND<10	ND<10	--	130	ND<20	ND<20	ND<20	1,000	
MW-5	4/29/2003	30.25	29.03	0	1.22	53.45	640	35	ND<5	ND<5	ND<5	--	140	ND<10	ND<10	ND<10	890	
MW-5	7/24/2003	30.25	28.75	0	1.50	53.45	470	26	ND<1	1.3 J	ND<1	--	110	ND<2	ND<2	ND<2	610	
MW-5	10/17/2003	30.25	28.69	0	1.56	53.53	400	11	ND<1	ND<1	ND<1	--	70	ND<2	ND<2	ND<2	700	
MW-5	1/30/2004	30.25	28.51	0	1.74	53.53	320	8.7	ND<1	ND<1	ND<1	--	26	ND<2	ND<2	ND<2	720	
MW-5	4/19/2004	30.25	28.58	0	1.67	53.54	300	18	ND<1	1.0 J	ND<1	--	37	ND<2	ND<2	ND<2	320	
MW-5	7/8/2004	30.25	28.53	0	1.72	53.55	430	19	ND<1	ND<1	ND<1	--	32	ND<2	ND<2	ND<2	240	
MW-5	11/8/2004	30.25	28.46	0	1.79	53.55	290	3.4 J	ND<1	ND<1	ND<1	--	17	ND<2	ND<2	ND<2	120	
MW-5	1/21/2005	30.25	27.90	0	2.35	53.44	ND<50	ND<1	ND<1	ND<1	ND<1	--	3.6 J	ND<2	ND<2	ND<2	12 J	
MW-5	4/7/2005	30.25	27.05	0	3.20	53.39	200	13	ND<1	ND<1	ND<1	--	20	ND<2	ND<2	ND<2	33	
MW-5	8/17/2005	30.25	26.44	0	3.81	53.38	820	120	2.0 J	8.1	ND<1	--	27	ND<2	ND<2	ND<2	32	
MW-5	10/17/2005	30.25	26.16	0	4.09	53.44	1,000	150	2.6 J	8.8	ND<1.3	--	35	ND<0.70	ND<0.62	ND<0.82	25 J	
MW-6	7/27/1999	29.58	31.74	0	-2.16	--	75,600	1390	1780	970	3320	577	356	--	--	--		
MW-6	11/3/1999	29.58	31.45	0	-1.87	--	5560	ND<30	ND<30	ND<30	268	1390	1470	--	--	--		
MW-6	1/10/2000	29.58	31.59	0	-2.01	--	71,800	1300	2000	1800	3650	8000	6510	--	--	--		
MW-6	4/5/2000	29.58	31.34	0	-1.76	--	23,800	868	965	947	2120	1840	1200	--	--	--		
MW-6	7/12/2000	29.58	31.27	0	-1.69	--	22,400	1160	1340	1490	3160	2700	2120	--	--	--		
MW-6	11/1/2000	29.58	31.14	0	-1.56	--	36,200	1140	1340	2050	4220	--	4080	--	--	--		
MW-6	1/3/2001	29.58	31.03	0	-1.45	--	14,000	800	730	1200	3000	--	920	ND<50	ND<50	ND<50	880	
MW-6	4/24/2001	29.58	30.55	0	-0.97	39.10	15,100	300	195	587	1,300	NA	316	ND<1	ND<1	ND<1	434	
MW-6	7/10/2001	29.58	30.55	0	-0.97	39.05	13,400	852	597	2,400	3,560	NA	1,120	ND<1	ND<1	ND<1	583	
MW-6	10/17/2001	29.58	30.57	0	-0.99	39.05	27,000	774	429 J	2,170	4,890	--	1,290	ND<250	ND<250	ND<250	--	
MW-6	1/2/2002	29.58	30.68	0	-1.10	39.00	4,200	235	110	725	1,380	--	266	ND<10	ND<10	ND<10	98J	
MW-6	4/11/2002	29.58	30.70	0	-1.12	38.95	13,000	419	69	1,230	2,250	--	501	ND<1	ND<1	ND<1	963	
MW-6	7/2/2002	31.66	30.82	0	0.84	39.20	3,700	210	16	620	850	--	300	ND<20	ND<20	ND<20	900	
MW-6	10/3/2002	31.66	30.91	0	0.75	39.27	7,300	330	ND<20	1,000	1,200	--	320	ND<40	ND<40	ND<40	1,500	
MW-6	1/21/2003	31.66	30.73	0	0.93	39.16	4,900	280	ND<20	760	780	--	200	ND<40	ND<40	ND<40	1,100	
MW-6	4/29/2003	31.66	30.42	0	1.24	39.19	5,600	240	9.8 J	960	1,000	--	220	ND<10	ND<10	ND<10	1,400	
MW-6	7/24/2003	31.66	30.17	0	1.49	39.14	2,900	120	ND<10	350	310	--	120	ND<20	ND<20	ND<20	800	
MW-6	10/17/2003	31.66	30.08	0	1.58	39.10	4,000	210	3.0J	560	470	--	260	ND<4	ND<4	ND<4	1,400	
MW-6	1/30/2004	31.66	29.93	0	1.73	39.15	2,200	120	ND<4	310	240	--	110	ND<8	ND<8	ND<8	820	
MW-6	4/19/2004	31.66	29.96	0	1.70	39.13	1,800	120	ND<5	290	240	--	120	ND<10	ND<10	ND<10	840	
MW-6	7/8/2004	31.66	29.98	0	1.68	39.16	3,100	130	ND<4	330	290	--	96	ND<8	ND<8	ND<8	840	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-6	11/8/2004	31.66	29.85	0	1.81	39.15	2,400	110	1.4 J	310	150	--	81	ND<8	ND<8	ND<8	110	--
MW-6	1/21/2005	31.66	29.31	0	2.35	39.13	1,900	60	ND<1	180	94	--	58	ND<2	ND<2	ND<2	780	--
MW-6	4/7/2005	31.66	28.48	0	3.18	39.04	1,400	49	ND<2	140	63	--	22	ND<4	ND<4	ND<4	260	--
MW-6	8/17/2005	31.66	27.87	0	3.79	39.00	1,600	48	ND<2	190	92	--	25	ND<4	ND<4	ND<4	160	--
MW-6	10/17/2005	31.66	27.55	0	4.11	39.11	1,600	38	0.90 J	160	81	--	19	ND<0.70	ND<0.62	ND<0.82	180	--
MW-7	7/27/1999	30.07	32.18	0	-2.11	--	9130	20	8.0	21	33	131	116	--	--	--	--	--
MW-7	11/3/1999	30.07	31.89	0	-1.82	--	225	1.1	1.6	ND<0.3	ND<0.6	225	91	--	--	--	--	--
MW-7	1/10/2000	30.07	32.02	0	-1.95	--	1030	13	1.5	15	33	112	66	--	--	--	--	--
MW-7	4/5/2000	30.07	31.76	0	-1.69	--	1000	30	14	33	100	55	36	--	--	--	--	--
MW-7	7/12/2000	30.07	31.69	0	-1.62	--	61	11	ND<0.6	11	12	61	59	--	--	--	--	--
MW-7	11/1/2000	30.07	31.59	0	-1.52	--	1140	29	8.6	70	152	--	77	--	--	--	--	--
MW-7	1/3/2001	30.07	31.47	0	-1.40	--	580	17	ND<5.0	40	130	--	49	ND<5	ND<5	ND<5	19J	--
MW-7	4/24/2001	30.07	30.98	0	-0.91	39.08	261	6.2	ND<5	6.2	25	--	31	ND<1	ND<1	ND<1	ND<10	--
MW-7	7/10/2001	30.07	31.00	0	-0.93	39.10	287	9.3	ND<5	ND<5	102	--	71	ND<1	ND<1	ND<1	ND<10	--
MW-7	10/17/2001	30.07	30.95	0	-0.88	39.10	1,310	35	5.2	128	485	--	80	ND<1	ND<1	ND<1	88	--
MW-7	1/2/2002	30.07	31.13	0	-1.06	40.40	228	2.9	ND<5	13	42	--	22	ND<1	ND<1	ND<1	ND<10	--
MW-7	4/11/2002	30.07	31.13	0	-1.06	39.00	350	4.0	ND<5	14	61	--	20	ND<1	ND<1	ND<1	ND<10	--
MW-7	7/2/2002	32.15	31.27	0	0.88	39.35	180	4.0	ND<1	12	60	--	41	ND<2	ND<2	ND<2	ND<10	*Resurveyed
MW-7	10/3/2002	32.15	31.44	0	0.71	39.30	520	7.2	ND<1	24	130	--	52	ND<2	ND<2	ND<2	13J	--
MW-7	1/21/2003	32.15	31.20	0	0.95	39.23	650	11.0	ND<1	44	180	--	41	ND<2	ND<2	ND<2	ND<10	--
MW-7	4/29/2003	32.15	30.86	0	1.29	39.14	170	2.8 J	ND<1	12	51	--	26	ND<2	ND<2	ND<2	ND<10	--
MW-7	7/24/2003	32.15	30.60	0	1.55	39.17	ND<50	1.3 J	ND<1	4.8 J	17	--	18	ND<2	ND<2	ND<2	ND<10	--
MW-7	10/17/2003	32.15	30.44	0	1.71	39.20	210	3.5J	ND<1	16	57	--	28	ND<2	ND<2	ND<2	ND<10	--
MW-7	1/30/2004	32.15	30.36	0	1.79	39.18	200	4.8 J	ND<1	24	48	--	33	ND<2	ND<2	ND<2	ND<10	--
MW-7	4/19/2004	32.15	30.37	0	1.78	39.20	420	8.7	ND<1	48	84	--	38	ND<2	ND<2	ND<2	ND<10	--
MW-7	7/8/2004	32.15	30.54	0	1.61	39.22	ND<50	ND<1	ND<1	1.7 J	3.3 J	--	5.5	ND<2	ND<2	ND<2	ND<10	--
MW-7	11/8/2004	32.15	30.31	0	1.84	39.21	140	1.8 J	ND<1	13	18	--	32	ND<2	ND<2	ND<2	ND<10	--
MW-7	1/21/2005	32.15	29.81	0	2.34	39.19	73 J	ND<1	ND<1	2.3 J	1.2 J	--	46	ND<2	ND<2	ND<2	22 J	--
MW-7	4/7/2005	32.15	28.94	0	3.21	39.13	ND<50	ND<1	ND<1	ND<1	ND<1	--	20	ND<2	ND<2	ND<2	ND<10	--
MW-7	8/17/2005	32.15	28.31	0	3.84	39.03	1,300	420	13 J	1,500	800	--	240	ND<20	ND<20	ND<20	1,500	--
MW-7	10/17/2005	32.15	28.00	0	4.15	39.15	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	--	11	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--
MW-8	10/31/2002	29.25	28.31	0	0.94	49.95	91J	ND<1	ND<1	ND<1	ND<1	--	14	ND<2	ND<2	ND<2	180	not surveyed
MW-8	1/21/2003	29.25	28.34	0	0.91	49.97	ND<50	ND<1	ND<1	ND<1	ND<1	--	2.8 J	ND<2	ND<2	ND<2	14 J	
MW-8	4/29/2003	29.25	27.97	0	1.28	49.97	ND<50	ND<1	ND<1	ND<1	ND<1	--	4.1 J	ND<2	ND<2	ND<2	58	--
MW-8	7/24/2003	29.25	27.78	0	1.47	49.92	ND<50	ND<1	ND<1	ND<1	1.0 J	--	11	ND<2	ND<2	ND<2	240	--
MW-8	10/17/2003	29.25	27.70	0	1.55	49.90	55J	ND<1	ND<1	ND<1	ND<1	--	10	ND<2	ND<2	ND<2	520	--
MW-8	1/30/2004	29.25	27.52	0	1.73	49.95	ND<50	ND<1	ND<1	ND<1	ND<1	--	5.1	ND<2	ND<2	ND<2	520	--
MW-8	4/19/2004	29.25	27.49	0	1.76	49.78	ND<50	ND<1	ND<1	ND<1	ND<1	--	8.2	ND<2	ND<2	ND<2	220	--
MW-8	7/8/2004	29.25	27.54	0	1.71	49.73	ND<50	ND<1	ND<1	ND<1	ND<1	--	5.4	ND<2	ND<2	ND<2	370	--
MW-8	11/8/2004	29.25	27.42	0	1.83	49.71	ND<50	ND<1	ND<1	ND<1	ND<1	--	8.1	ND<2	ND<2	ND<2	120	--
MW-8	1/21/2005	29.25	26.87	0	2.38	49.64	ND<50	ND<1	ND<1	ND<1	ND<1	--	6.0	ND<2	ND<2	ND<2	21 J	--
MW-8	4/7/2005	29.25	26.65	0	2.60	49.65	ND<50	ND<1	ND<1	ND<1	ND<1	--	2.6 J	ND<2	ND<2	ND<2	13 J	--

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-8	8/17/2005	29.25	25.38	0	3.87	49.40	140	24 J	ND<10	ND<10	ND<10	--	44 J	ND<20	ND<20	ND<20	ND<100	--
MW-8	10/17/2005	29.25	25.22	0	4.03	49.39	ND<50	1.3 J	0.50 J	ND<0.25	ND<0.52	--	2.0 J	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--
MW-9	10/31/2002	29.44	28.50	0	0.94	49.60	200	12	ND<1	1.2J	ND<1	--	170	ND<2	ND<2	ND<2	1,800	not surveyed
MW-9	1/21/2003	29.44	28.58	0	0.86	49.73	52 J	ND<1	ND<1	ND<1	ND<1	--	50	ND<2	ND<2	ND<2	290	
MW-9	4/29/2003	29.44	28.15	0	1.29	49.72	91 J	ND<1	ND<1	ND<1	ND<1	--	110	ND<2	ND<2	ND<2	580	--
MW-9	7/24/2003	29.44	27.95	0	1.49	49.65	ND<50	ND<1	ND<1	ND<1	ND<1	--	36	ND<2	ND<2	ND<2	170	--
MW-9	10/17/2003	29.44	27.79	0	1.65	49.63	87J	ND<1	ND<1	ND<1	ND<1	--	56	ND<2	ND<2	ND<2	1,200	--
MW-9	1/30/2004	29.44	27.64	0	1.80	49.33	ND<50	ND<1	ND<1	ND<1	ND<1	--	6.3	ND<2	ND<2	ND<2	94	--
MW-9	4/19/2004	29.44	27.67	0	1.77	49.27	ND<50	ND<1	ND<1	ND<1	ND<1	--	12.0	ND<2	ND<2	ND<2	760	--
MW-9	7/8/2004	29.44	27.73	0	1.71	49.25	ND<50	ND<1	ND<1	ND<1	ND<1	--	12	ND<2	ND<2	ND<2	900	--
MW-9	11/8/2004	29.44	27.57	0	1.87	49.25	91 J	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-9	1/21/2005	29.44	27.05	0	2.39	49.19	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-9	4/7/2005	29.44	26.20	0	3.24	49.19	ND<50	ND<1	ND<1	ND<1	ND<1	--	13	ND<2	ND<2	ND<2	160	--
MW-9	8/17/2005	29.44	25.55	0	3.89	49.03	ND<50	ND<10	11 J	ND<10	ND<10	--	ND<20	ND<20	ND<20	ND<20	ND<100	--
MW-9	10/17/2005	29.44	25.36	0	4.08	49.60	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	--	1.1 J	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--
VS-1	4/11/2002	30.47	--		38.75	582	ND<1	ND<5	ND<5	ND<5	ND<5	--	642	ND<1	ND<1	7.2	306	--
VS-2	4/11/2002	29.93	--		38.80	ND<100	ND<1	ND<5	ND<5	ND<5	ND<5	--	5.9	ND<1	ND<1	ND<1	ND<10	--
VS-3	4/11/2002	30.24	--		38.60	26,700	46	ND<50	2,540	7,180	--	ND<10	ND<10	ND<10	ND<10	ND<100	--	
VS-4	4/11/2002	30.81	--		8.80	5,540	ND<1	ND<5	ND<5	ND<5	ND<5	--	7,220	ND<1	ND<1	106	657	--
VS-5	4/11/2002	30.49	--		39.90	1,540	ND<1	ND<5	ND<5	ND<5	ND<5	--	2,010	ND<1	ND<1	21	ND<10	--
Trip Blank	1/21/1999	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	
Trip Blank	4/29/1999	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	
Trip Blank	7/27/1999	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	
Trip Blank	11/3/1999	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	
Trip Blank	1/10/2000	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	
Trip Blank	4/5/2000	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	
Trip Blank	7/12/2000	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	
Trip Blank	11/1/2000	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	BTEX by 8021B	
Trip Blank	1/3/2001	--	--	--	--	ND<100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	
Trip Blank	4/24/2001	--	--	--	--	ND<100	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<5	--	--	--	--	BTEX by 8021B	
Trip Blank	7/10/2001	--	--	--	--	ND<100	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	BTEX by 8021B	
Trip Blank	10/17/2001	--	--	--	--	ND<100	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<10	--	
Trip Blank	1/2/2002	--	--	--	--	ND<100	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<10	--	
Trip Blank	4/11/2002	--	--	--	--	ND<100	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<10	--	
Trip Blank	7/2/2002	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	7/2/2002	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	10/3/2002	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	10/31/2002	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	1/21/2003	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	4/29/2003	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	7/24/2003	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
Trip Blank	10/17/2003	--	--	--	--	--	ND<50	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	1/30/2004	--	--	--	--	--	ND<50	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	4/19/2004	--	--	--	--	--	ND<50	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	7/8/2004	--	--	--	--	--	ND<50	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	11/8/2004	--	--	--	--	--	ND<50	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	1/21/2005	--	--	--	--	--	ND<50	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	4/7/2005	--	--	--	--	--	ND<50	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	8/17/2005	--	--	--	--	--	ND<50	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	10/17/2005	--	--	--	--	--	ND<50	ND<0.28	ND<0.36	ND<0.25	ND<0.52	--	ND<0.32	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--

Notes: ug/L = Micrograms per liter

ND = Not detected

NAPL = Non-aqueous phase liquid

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol analyzed by EPA Method 8260B

J = denotes value between method detection limit and detection limit for reporting purposes

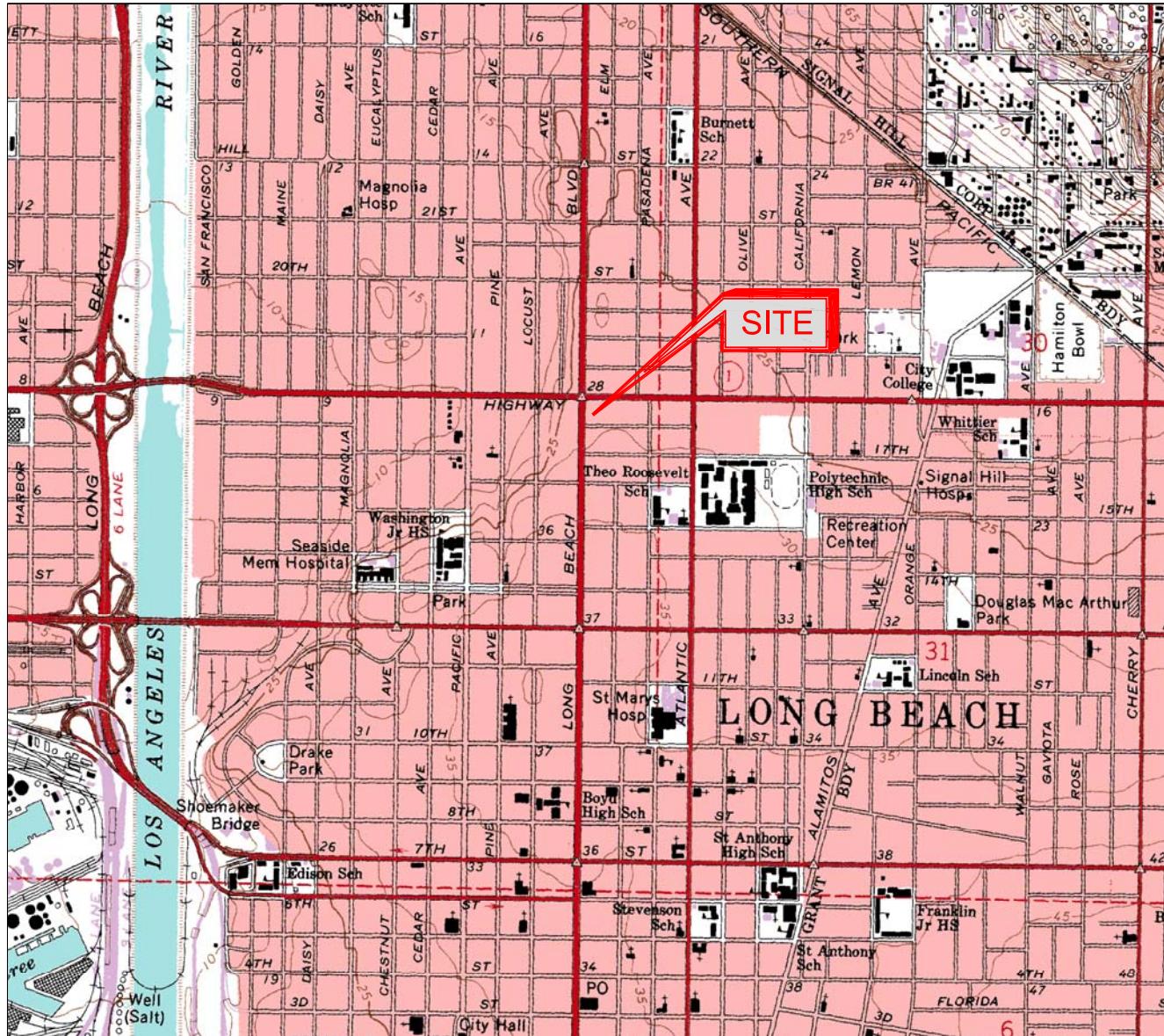
Beginning 11/1/2000, BTEX analyzed by EPA Method 8260B unless noted

*4/16/02, wells resurveyed per AB2886 requirements. Historical elevations measured to NGVD29 datum.

New elevations measured to NAVD88, giving elevations approx. 1.5 to 2.5 feet higher than NGVD29 datum.

ATTACHMENT 4

PLATES



SCALE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

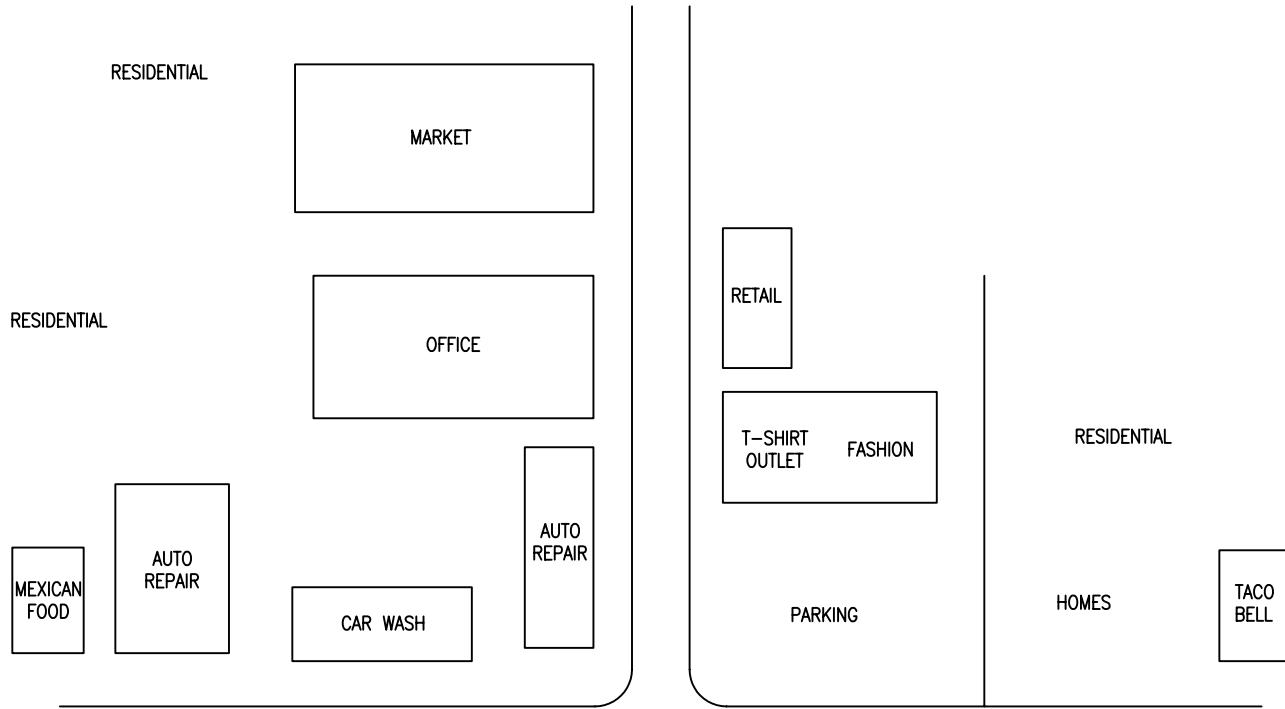
Chevron Environmental Management Company
SERVICE STATION NO. 9-0857
1790 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA

SITE LOCATION MAP

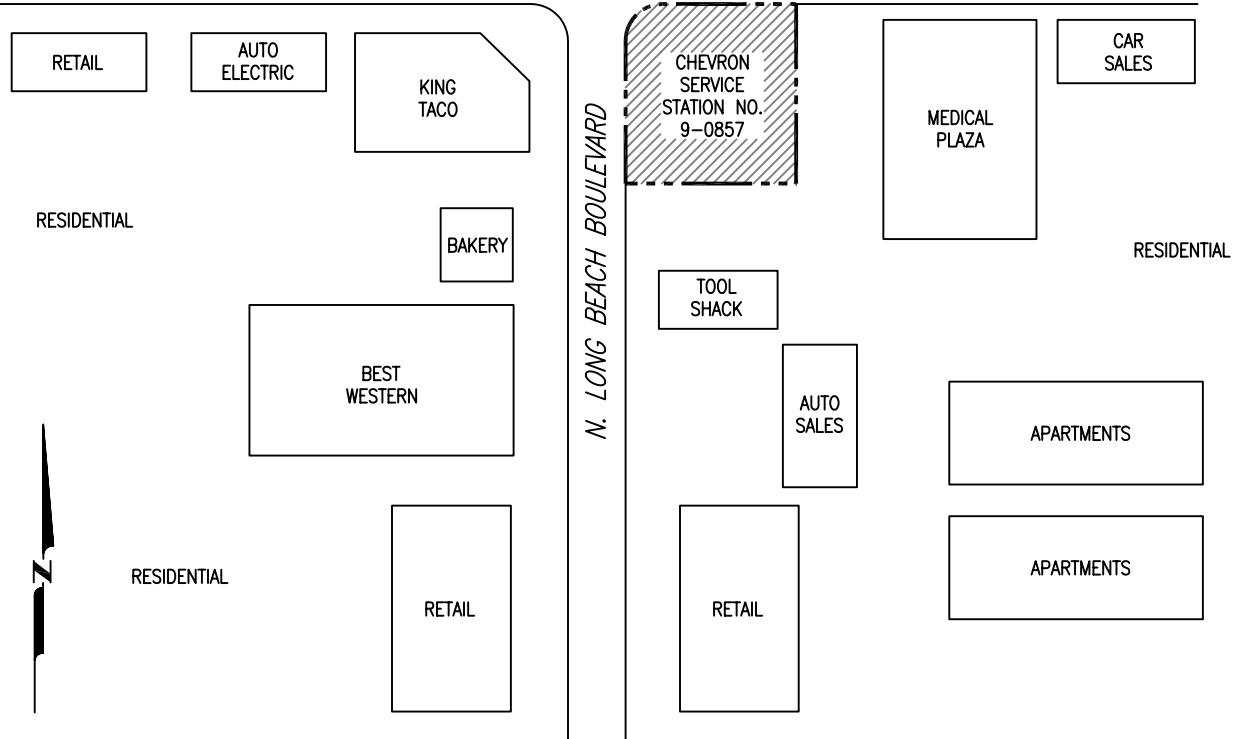
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DATE	02/05	DATE	DATE	1
JOB NO.	06-6102-00-7327-000	FILE NO.	-	



Science Applications
International Corporation



PACIFIC COAST HIGHWAY

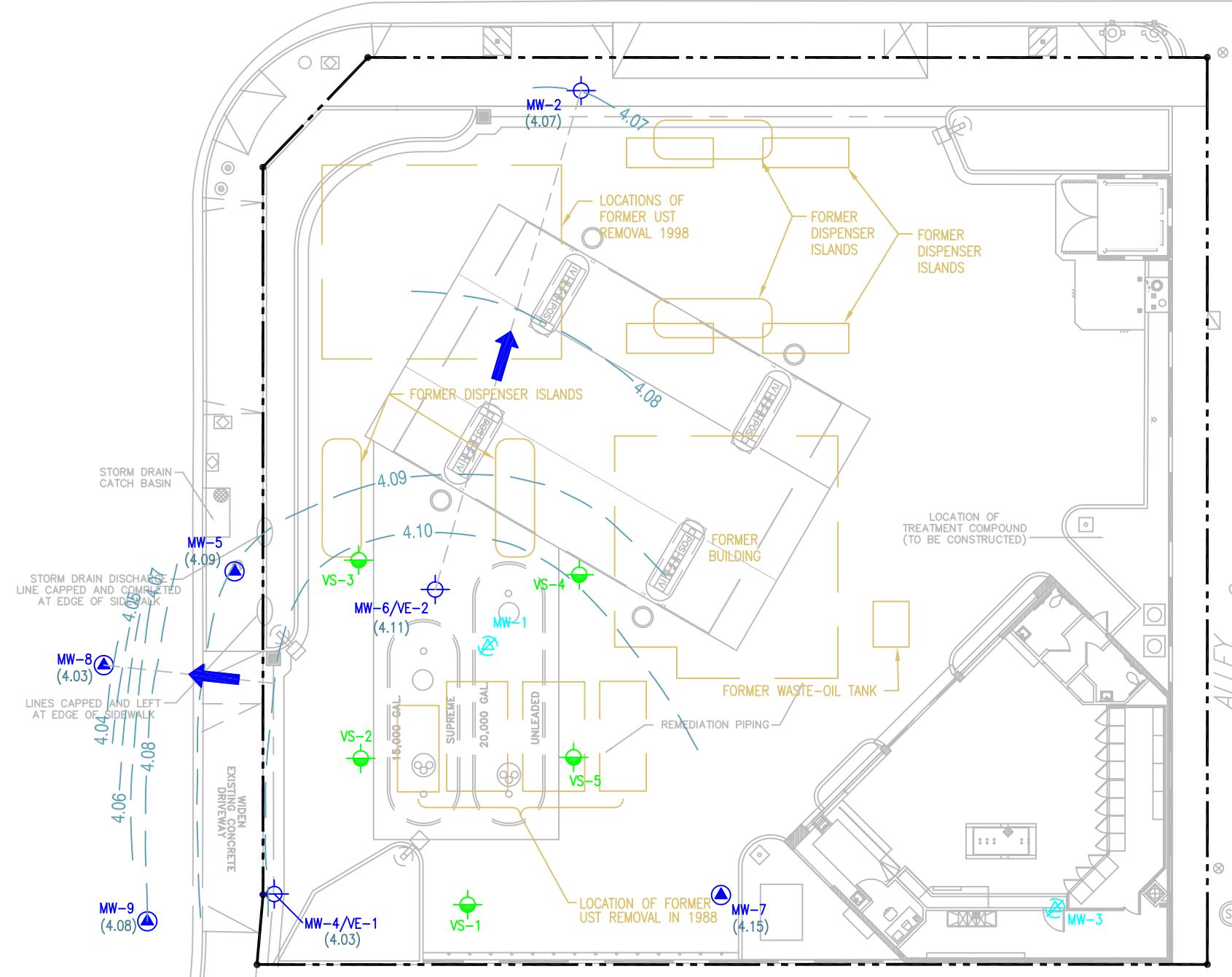


NOT TO SCALE

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 Chevron Environmental Management Company
 SERVICE STATION NO. 9-0857
 1790 N. LONG BEACH BOULEVARD
 LONG BEACH, CALIFORNIA

SITE VICINITY MAP

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DATE	02/05	DATE	DATE	2
JOB NO	06-6102-00-7327-000	FILE NO.	-	

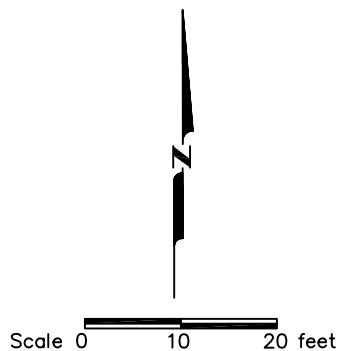


EXPLANATION

- VAPOR EXTRACTION/AIR SPARGE WELL LOCATION
- MONITORING WELL/VE WELL LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- (4.11) GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL
- 4.10 GROUNDWATER ELEVATION CONTOUR IN FEET MEAN SEA LEVEL
- 4.10 APPROXIMATE DIRECTION OF GROUNDWATER FLOW (APPROXIMATE HYDRAULIC GRADIENT = 0.005 FT/FT)

NOTE:
 1. ALL CONTOUR LINES ARE AN INTERPRETATION BASED ON THE RESULTS OF THE WELL GAUGING DATA FOR THIS QUARTER.
 2. MW-4/VS-1 WAS NOT USED IN CONTOURING THE GROUNDWATER GRADIENT.

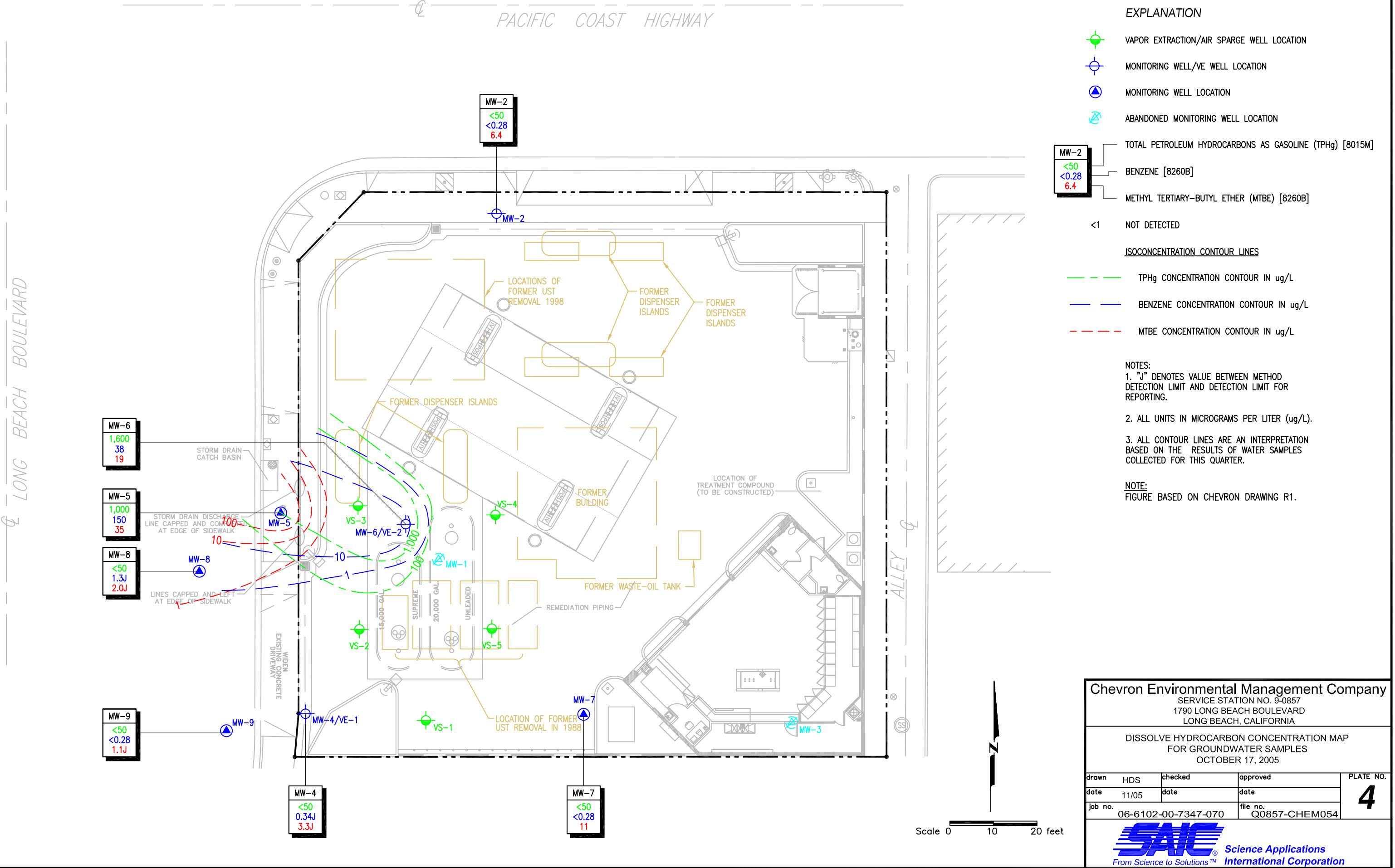
REFERENCE:
 PLATE BASED ON CHEVRON DRAWING R1.



Chevron Environmental Management Company
 SERVICE STATION NO. 9-0857
 1790 LONG BEACH BOULEVARD
 LONG BEACH, CALIFORNIA

GROUNDWATER CONTOUR MAP
OCTOBER 17, 2005

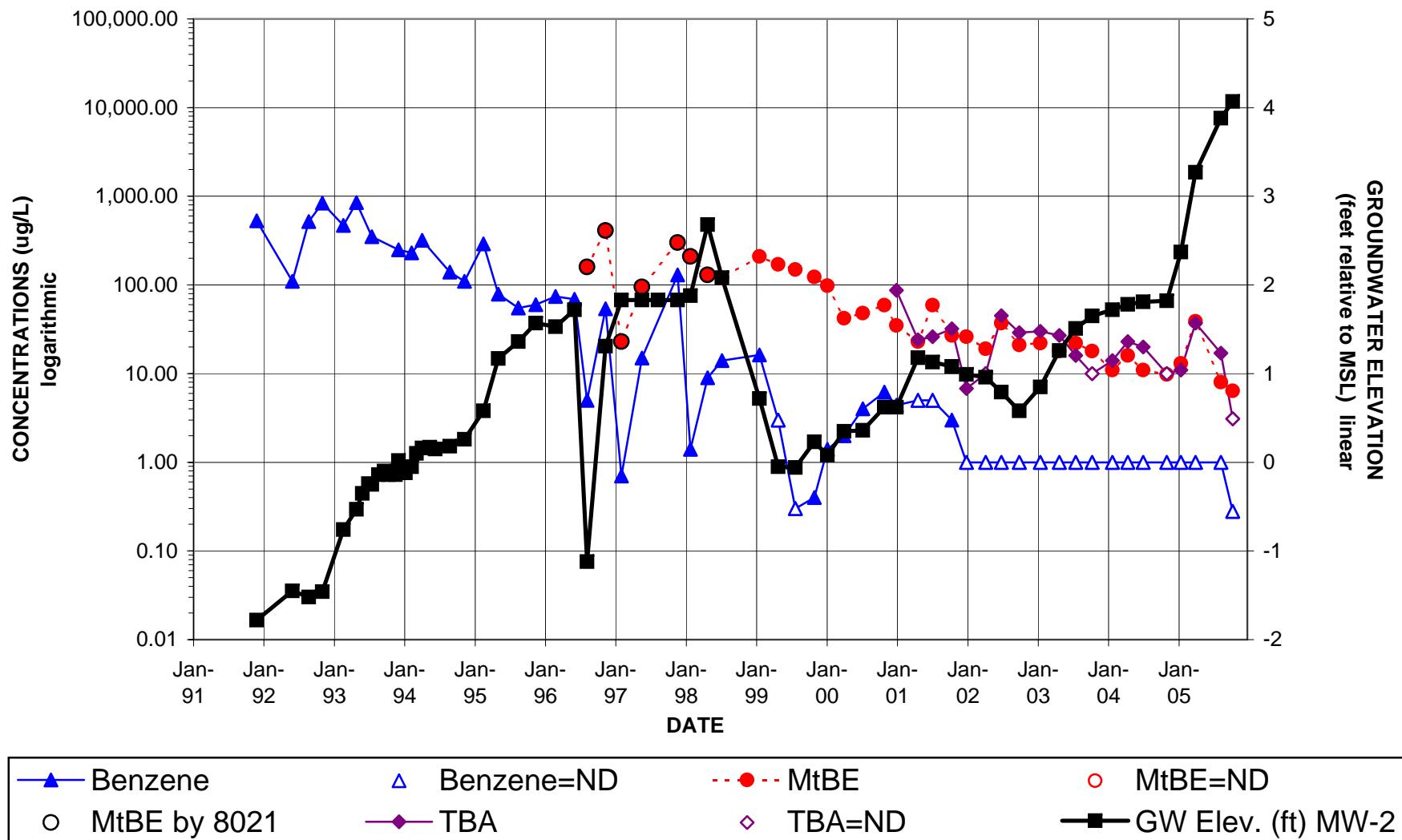
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date	date	date		
job no.	06-6102-00-7347-070	file no.	Q0857-GW054	3



ATTACHMENT 5
HYDROGRAPHS

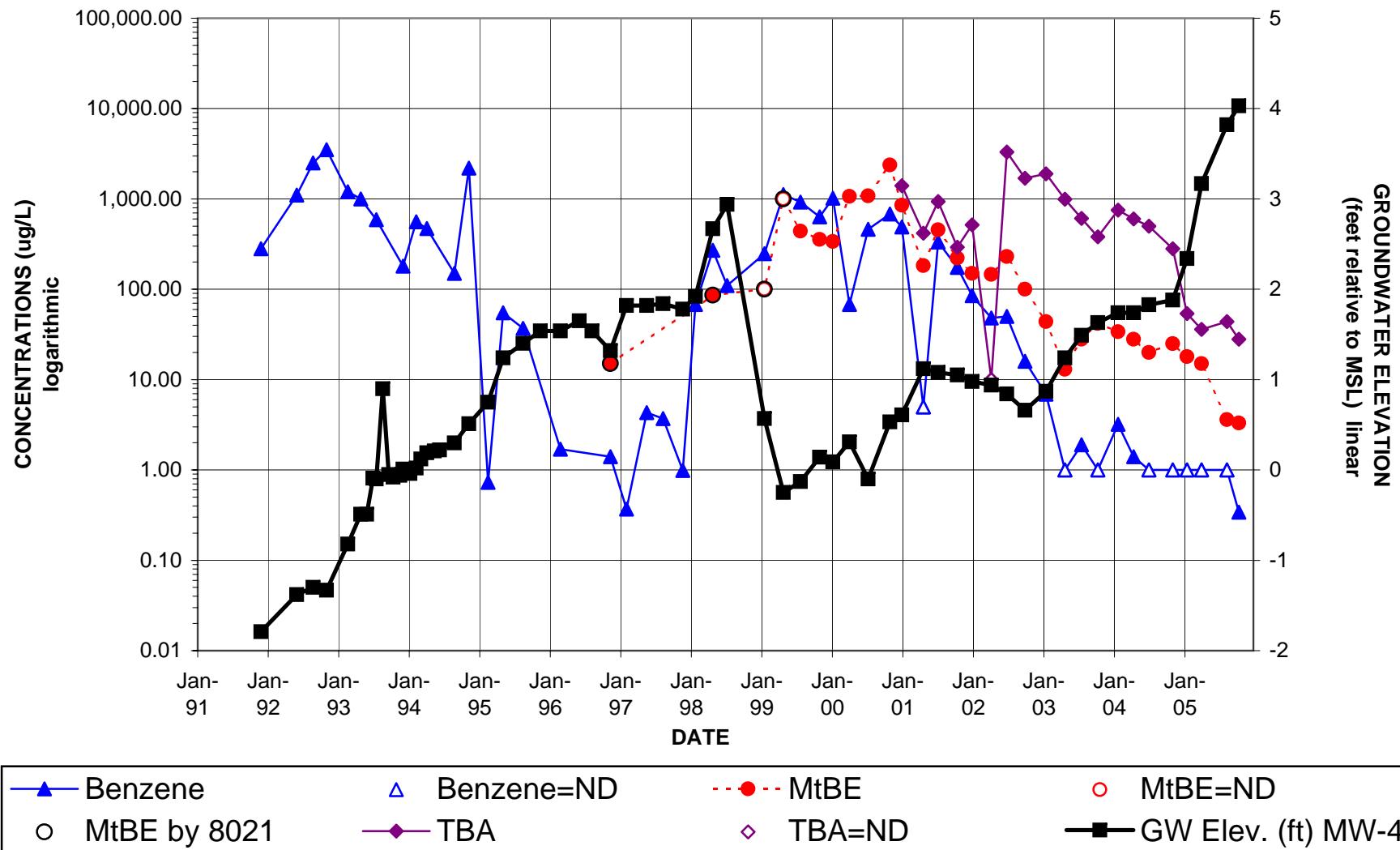
Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-2

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



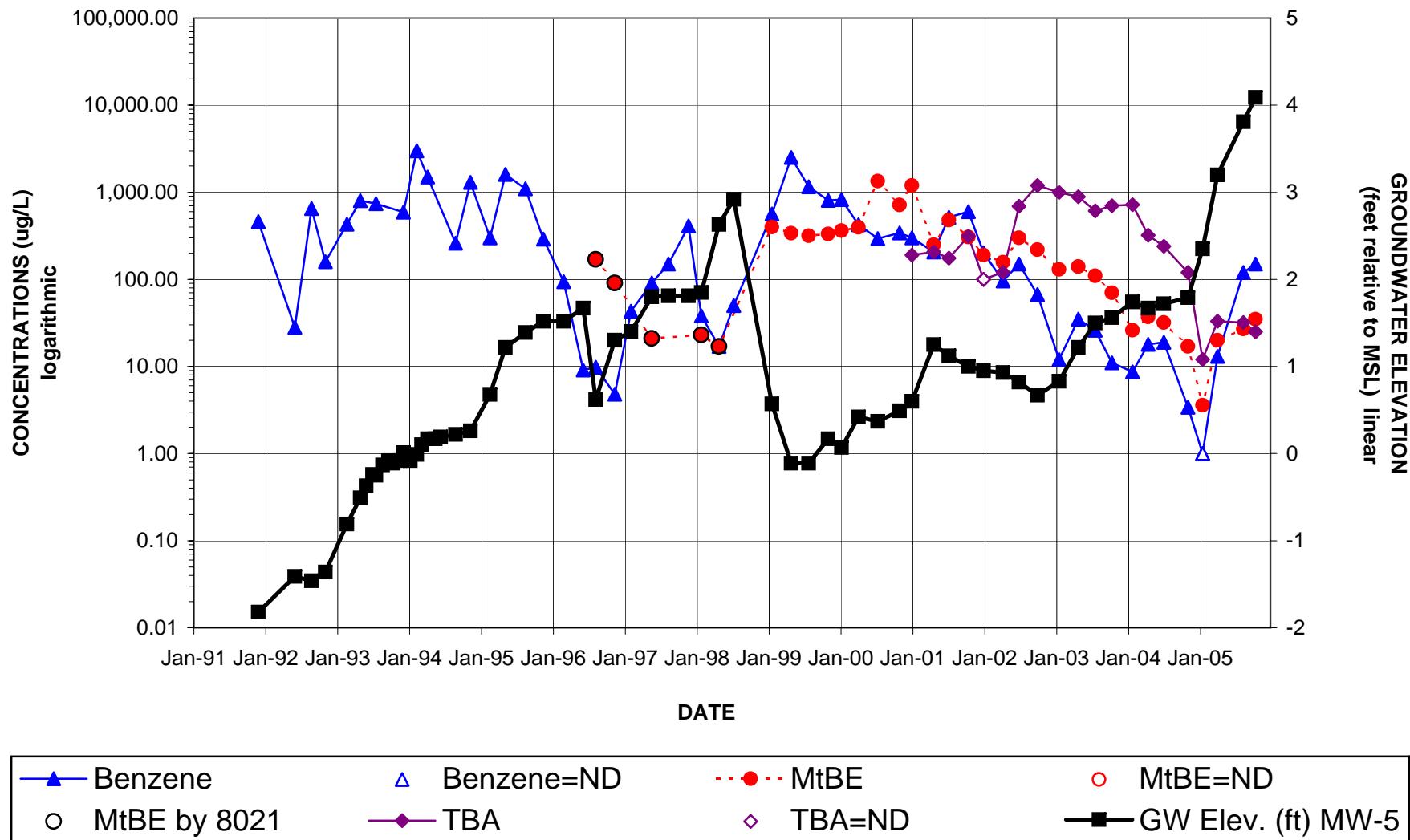
Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-4

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



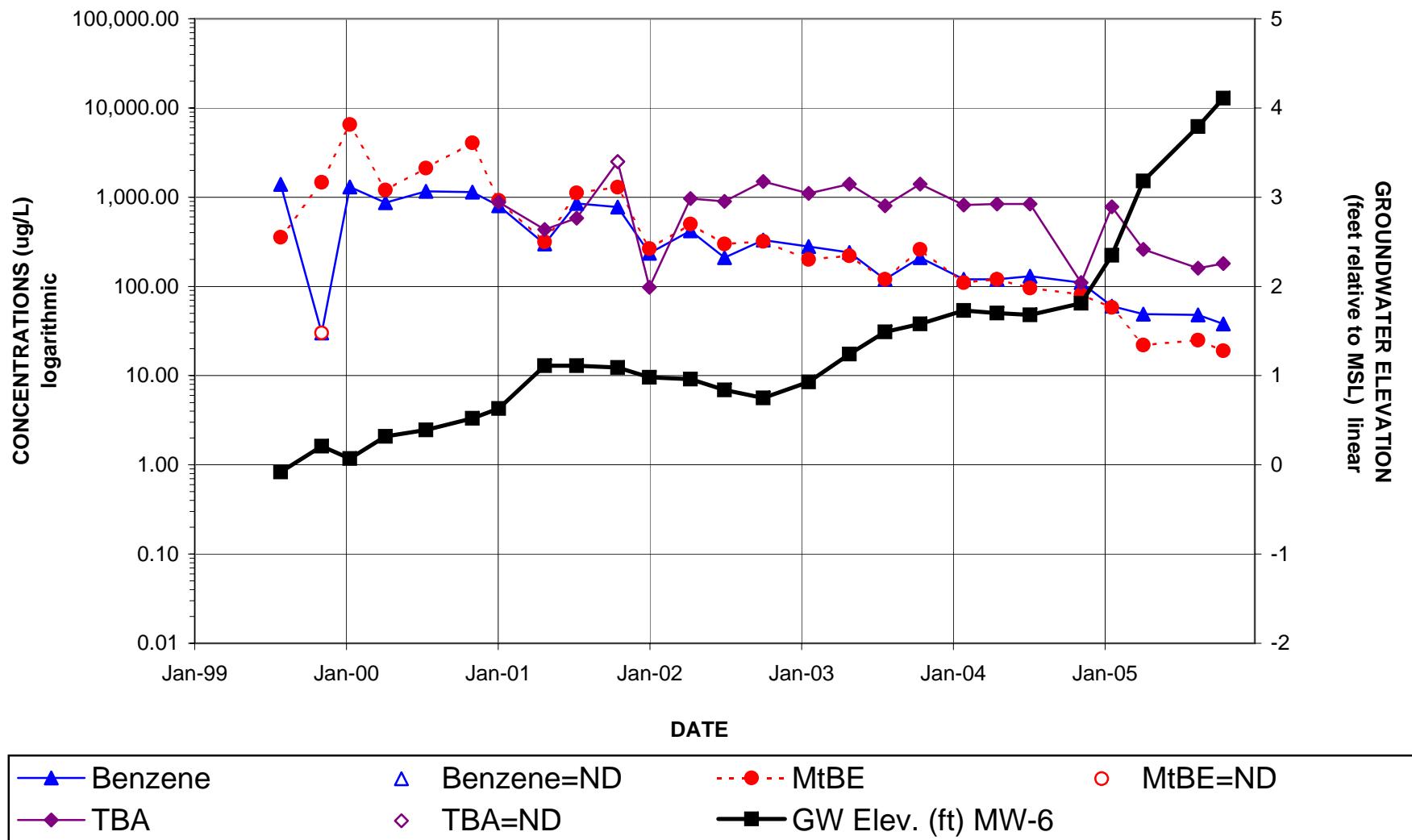
Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-5

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



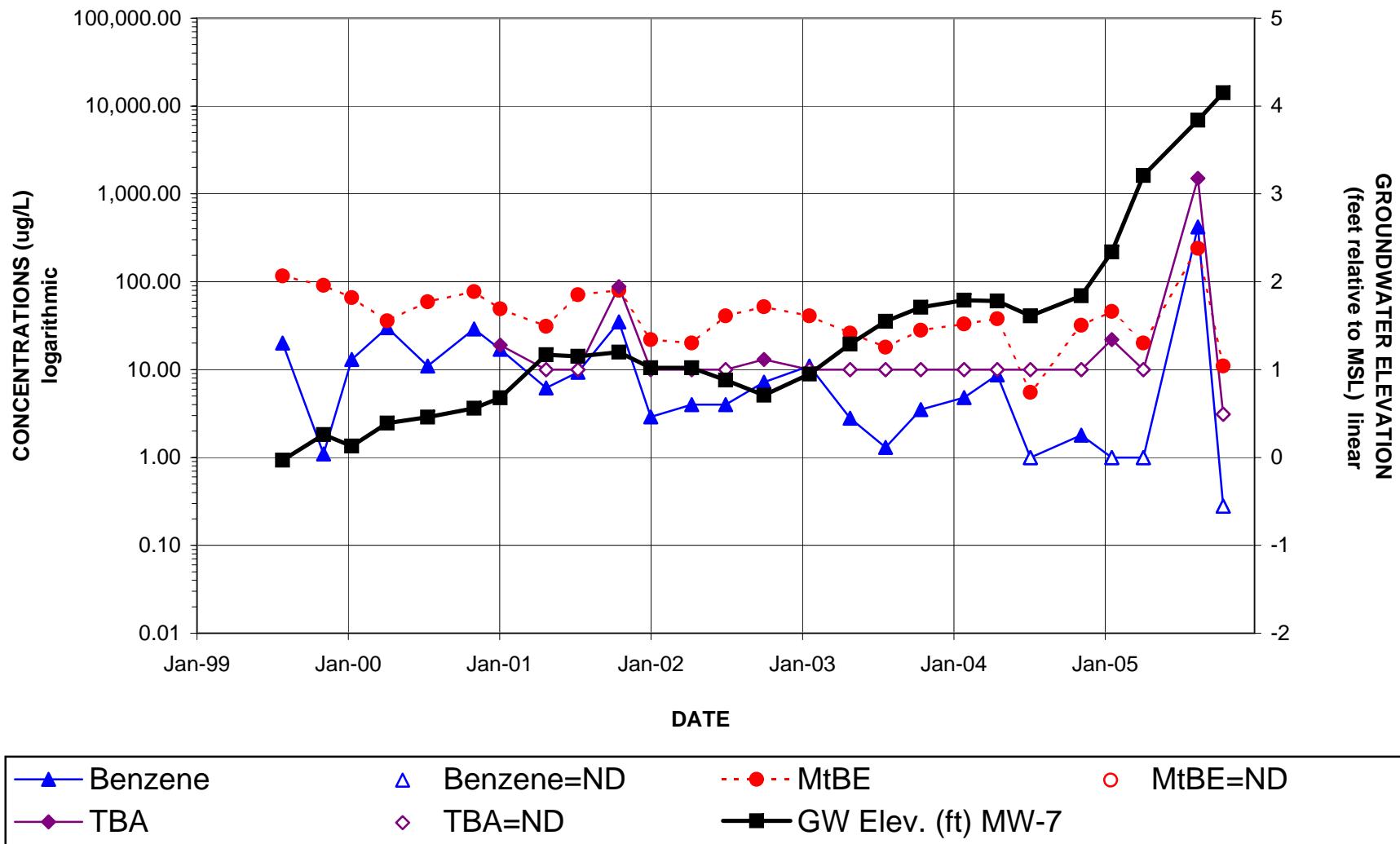
Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-6

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



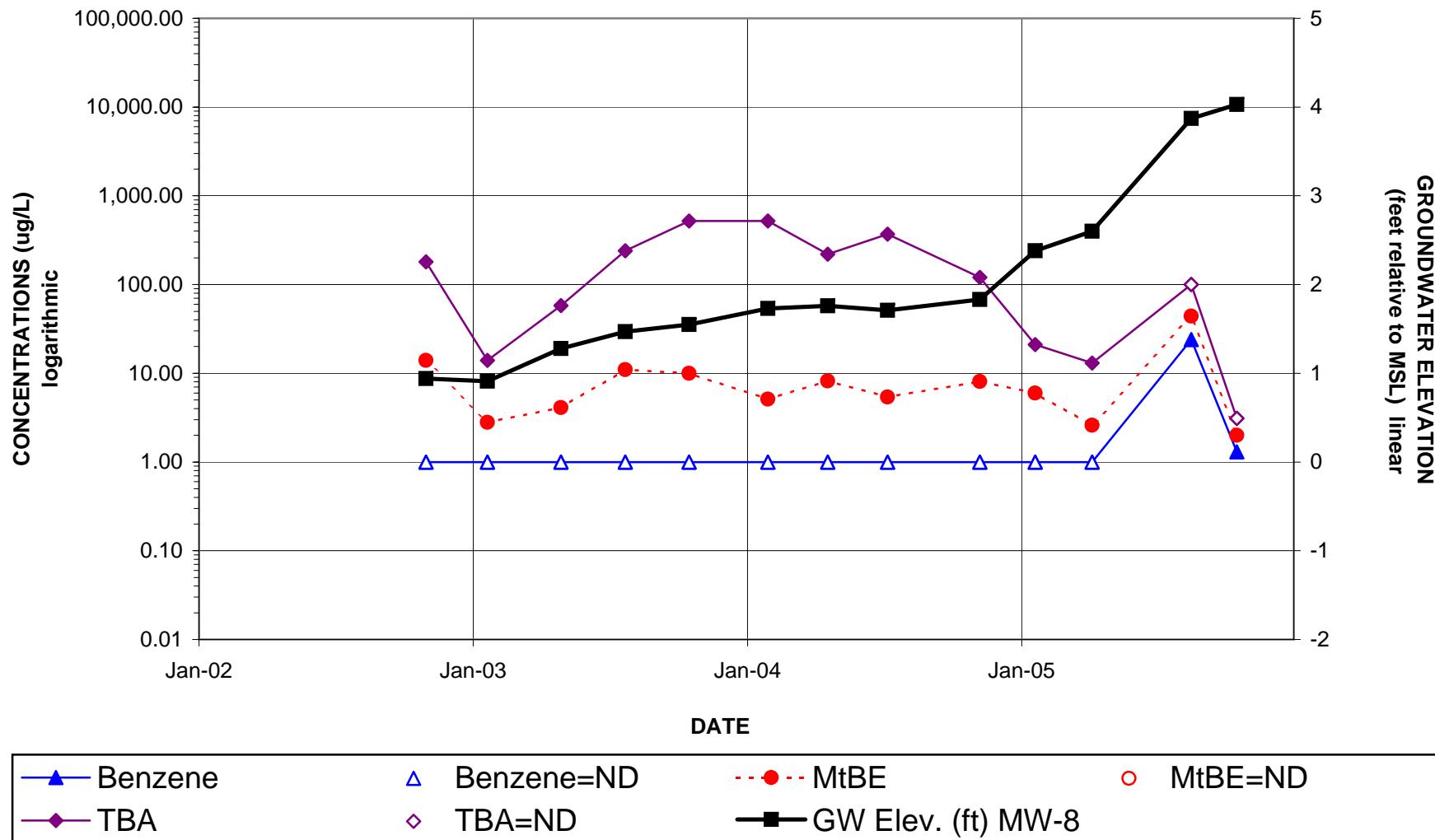
Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-7

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



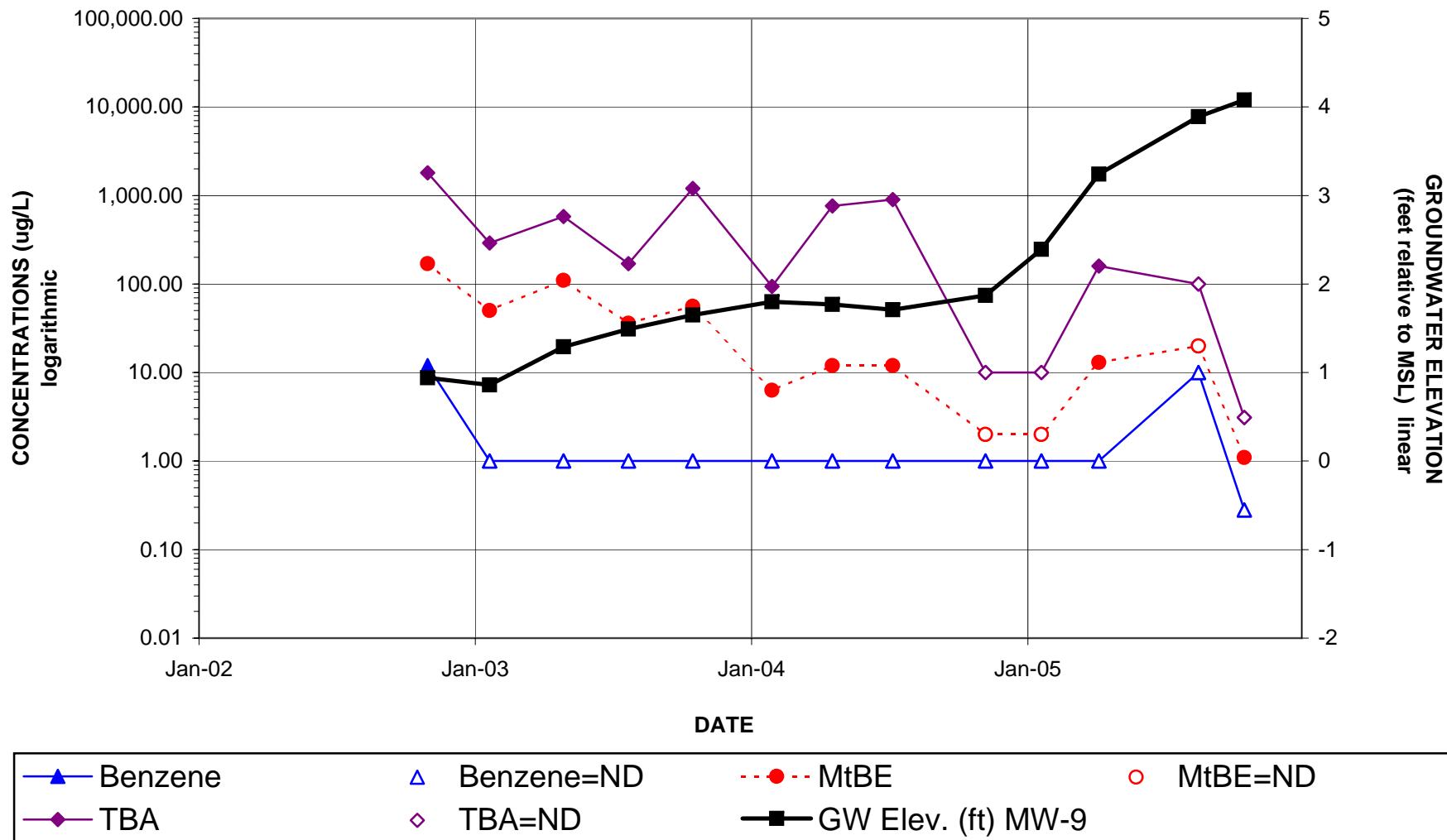
Chevron Environmental Management Company
Service Station No. 9-0857
1790 North Long Beach Boulevard, Long Beach, California
Well MW-8

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-9

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



ATTACHMENT 6

GROUNDWATER SAMPLING PROCEDURES AND FIELD SHEETS

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

October 19, 2005

Chevron Environmental Management Company
Y. M. Tuan
145 South State College Boulevard, Room #4084
Brea, CA 92822-2292

Fourth Quarter 2005 Monitoring at
Chevron Service Station 9-0857
1790 Long Beach
Long Beach, CA

Monitoring performed on October 17, 2005

Blaine Tech Services, Inc. Groundwater Monitoring Event 051017-FS2

This submission covers the routine monitoring of groundwater wells conducted on October 17, 2005 at this location. Seven monitoring wells were measured for depth to groundwater (DTW) and presence of separate-phase hydrocarbons (SPH). Seven monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels and separate-phase measurements were collected using an electronic water or oil-water interface detector. All sampled wells were purged of three case volumes or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air-displacement pumps or stainless steel, Teflon or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols using disposable bailers. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

Samples were delivered under chain-of-custody to Del Mar Laboratories of Irvine, California for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill-of-lading to US Filters of Los Angeles, California.

Fourth Quarter Groundwater Monitoring at Chevron 9-0857, 1790 Long Beach, Long Beach, CA

SAN JOSE

1680 ROGERS AVENUE SAN JOSE, CA 95112-1105

SACRAMENTO

(408) 573-0555

LOS ANGELES

FAX (408) 573-7771 LIC. 746684

SAN DIEGO

www.blainetech.com

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, Wellhead Inspection Checklist, Bill of lading and Chain-of-Custody.

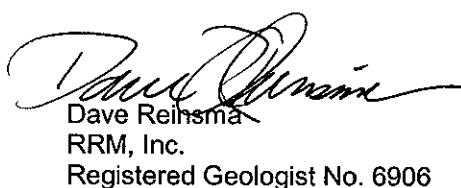
Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

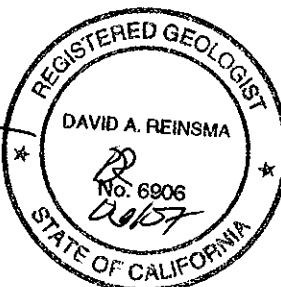
Yours truly,



Bart Gebbie
Blaine Tech Services, Inc.
Project Coordinator



Dave Reinsma
RRM, Inc.
Registered Geologist No. 6906



attachments: Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody
Bill of lading

cc: SAIC
Attn: Karen Simons
570 West Central Ave., Suite A
Brea, CA 92801

WELL GAUGING DATA

Project # 051017-FS2 Date 10.17.05 Client CHEVRON

Site 1790 LONG BEACH BLVD LONG BEACH

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #:	051017-FD2		Station #:	9-0857				
Sampler:	FD		Date:	10-17-05				
Weather:	Cloudy		Ambient Air Temperature:	65° F				
Well I.D.:	MW-2		Well Diameter:	2	3	4	6	8
Total Well Depth:	46.50		Depth to Water:	26.81				
Depth to Free Product:			Thickness of Free Product (feet):					
Referenced to:	PVC	Grade	D.O. Meter (if req'd):	YSI	HACH			
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:						30.74		

Purge Method:		Sampling Method:																	
Bailer	Water	Bailer	<u>Disposable Bailer</u>																
Disposable Bailer	Peristaltic	Extraction Port																	
Positive Air Displacement	Extraction Pump	Dedicated Tubing																	
<u>Electric Submersible</u>	Other _____	Other: _____																	
$(2.8 \text{ (Gals.)} \times 3 = 38.4 \text{ Gals.})$		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>		Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier																
1"	0.04	4"	0.65																
2"	0.16	6"	1.47																
3"	0.37	Other	radius ² * 0.163																

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1148	72.5	7.6	1737	30	13	
1150	73.1	7.8	1761	12	26	
1152	73.0	7.1	1816	7	39	

Did well dewater? Yes No Gallons actually evacuated: 39

Sampling Date: 10-17-05 Sampling Time: 1156 Depth to Water: 28.97

Sample I.D.: MW-2 Laboratory: Del Mar Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #:	051017-FD2	Station #:	9-0851
Sampler:	P	Date:	10-17-05
Weather:	Cloudy	Ambient Air Temperature:	65°F
Well I.D.:	MW-4	Well Diameter:	2 3 4 6 8
Total Well Depth:	50.50	Depth to Water:	25.59
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC	Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.37			

Purge Method:	Sampling Method:																	
Bailer	Waterra	Bailer																
Disposable Bailer	Peristaltic	Disposable Bailer																
Positive Air Displacement	Extraction Pump	Extraction Port																
<u>Electric Submersible</u>	Other _____	Dedicated Tubing																
		Other: _____																
$\frac{15.6 \text{ (Gals.)} \times 3}{1 \text{ Case Volume}} = 46.8 \text{ Gals.}$		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier															
1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	radius ² * 0.163															

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1213	72.0	7.4	1676	8	16	
1216	72.4	7.0	1813	5	32	
1219	72.5	7.0	1873	4	47	

Did well dewater? Yes No Gallons actually evacuated: 47

Sampling Date: 10.17.05 Sampling Time: 12 23 Depth to Water: 26.75

Sample I.D.: MW-4 Laboratory: Del Mar Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #:	051017-FS1	Station #:	9.0857
Sampler:	FS	Date:	10-17-05
Weather:	CLOUDY	Ambient Air Temperature:	63°F
Well I.D.:	MW-5	Well Diameter:	2 3 (4) 6 8
Total Well Depth:	53.44	Depth to Water:	26.16
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC	Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.61			

Purge Method: Sampling Method: Bailer
 Bailer Waterra Disposable Bailer Extraction Port
 Disposable Bailer Peristaltic Positive Air Displacement Extraction Pump
 Positive Air Displacement Extraction Pump
 Electric Submersible Other _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

$$17.8 \text{ (Gals.)} \times 3 = 53.1 \text{ Gals.}$$

1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1303	71.5	7.6	1466	18	18	
1306	72.0	7.4	1394	6	36	
1309	71.6	7.4	1433	6	54	

Did well dewater? Yes No Gallons actually evacuated: 54

Sampling Date: 10-17-05 Sampling Time: 13:15 Depth to Water: 26.72

Sample I.D.: MW-5 Laboratory: Del Mar Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #:	051017-F22	Station #:	9-0857
Sampler:	(S)	Date:	10-17-05
Weather:	CLOUDY	Ambient Air Temperature:	60°F
Well I.D.:	MW-6	Well Diameter:	2 3 4 6 8
Total Well Depth:	39.11	Depth to Water:	27.55
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC	Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.86			

Purge Method:

Bailer Waterra
 Disposable Bailer Peristaltic
 Positive Air Displacement Extraction Pump
Electric Submersible Other _____

Sampling Method:

Bailer
Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other _____

1 Case Volume (Gals.) X Specified Volumes = Calculated Volume
 76 3 22.8 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1340	70.0	7.3	1710	36	8	
1341	70.4	7.0	1804	14	16	
1343	71.4	7.0	1921	7	23	

Did well dewater? Yes No Gallons actually evacuated: 23

Sampling Date: 10-17-05 Sampling Time: 1345 Depth to Water: 27.85

Sample I.D.: MW-6 Laboratory: Del Mar Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 051017 -FS2	Station #: 9-0857
Sampler: FS	Date: 10-17-05
Weather: CLOUDY	Ambient Air Temperature: 62° F
Well I.D.: MW-7	Well Diameter: 2 3 4 6 8
Total Well Depth: 39.15	Depth to Water: 27.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Grade D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.23	

Purge Method:	Sampling Method:	Bailer																
Bailer	Waterra	<u>Disposable Bailer</u>																
Disposable Bailer	Peristaltic	Extraction Port																
Positive Air Displacement	Extraction Pump	Dedicated Tubing																
<u>Electric Submersible</u>	Other _____	Other: _____																
1.3 (Gals.) X 3 = 21.9 Gals.		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier															
1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	radius ² * 0.163															
1 Case Volume	Specified Volumes	Calculated Volume																

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1329	70.6	7.3	2028	24	8	
1331	71.3	7.2	2116	8	15	
1333	71.2	7.1	2132	8	22	

Did well dewater?	Yes <input checked="" type="radio"/>	Gallons actually evacuated: 22
Sampling Date: 10-17-05	Sampling Time: 1335	Depth to Water: 28.50
Sample I.D.: MW-7	Laboratory: Del Mar Lancaster Other: _____	
Analyzed for: TPH-G BTEX MTBE OXYS	Other: _____	
Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS	Other: _____	
D.O. (if req'd):	Pre-purge: mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge: mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #:	051017-F32		Station #:	9-6857	
Sampler:	FS		Date:	10-17-05	
Weather:	Cloudy		Ambient Air Temperature:	65°F	
Well I.D.:	MW-8		Well Diameter:	2	3 4 6 8
Total Well Depth:	49.39		Depth to Water:	25.22	
Depth to Free Product:			Thickness of Free Product (feet):		
Referenced to:	PVC	Grade	D.O. Meter (if req'd):	YSI	HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.05					

Purge Method:	Sampling Method:																	
Bailer	Waterra	Bailer																
Disposable Bailer	Peristaltic	<u>Disposable Bailer</u>																
<u>Positive Air Displacement</u>	Extraction Pump	Extraction Port																
Electric Submersible	Other _____	Dedicated Tubing																
Other: _____																		
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1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	radius ² * 0.163															
<u>3.9</u> (Gals.) X <u>3</u> = <u>(1.7</u> Gals.																		
1 Case Volume	Specified Volumes	Calculated Volume																

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1104	70.6	7.7	2245	71000	4	
1108	71.0	7.8	2082	756	8	
1112	72.1	7.8	2280	>1000	12	

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Date: 10-17-05 Sampling Time: 1120 Depth to Water: 25.22

Sample I.D.: MW-8 Laboratory: DetMar Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #:	05 10 17 - FS2		Station #:	9-0857			
Sampler:	FS		Date:	10-17-05			
Weather:	cloudy		Ambient Air Temperature:	65°F			
Well I.D.:	MW-9		Well Diameter:	3	4	6	8
Total Well Depth:	+9.50		Depth to Water:	25.36			
Depth to Free Product:			Thickness of Free Product (feet):				
Referenced to:	eve	Grade	D.O. Meter (if req'd):	YSI	HACH		
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:						30.18	

Purge Method:	Sampling Method:																	
Bailer	Waterra	Bailer																
Disposable Bailer	Peristaltic	Disposable Bailer																
<u>Positive Air Displacement</u>	Extraction Pump	Extraction Port																
Electric Submersible	Other _____	Dedicated Tubing																
Other: _____		Other: _____																
$\frac{3.9 \text{ (Gals.)} \times 3}{1 \text{ Case Volume} \quad \text{Specified Volumes}} = 11.7 \text{ Gals. Calculated Volume}$																		
<table border="1" style="margin-left: auto; margin-right: 0;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>			Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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2"	0.16	6"	1.47															
3"	0.37	Other	radius ² * 0.163															

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1038	71.7	7.0	1483	361	4	
1041	71.4	7.1	1412	101	8	
1044	71.7	7.2	1492	126	12	

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Date: 10-17-05 Sampling Time: 1048 Depth to Water: 25.43

Sample I.D.: MW-9 Laboratory: DelMar Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

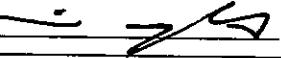
D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHAIN OF CUSTODY FORM

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY ■ 145 S. STATE COLLEGE BOULEVARD ■ BREA, CA 92822-2292

coc (of)

Chevron Site Global ID: T0603701945 Chevron Site Number: 90857 Chevron Site Address: 1790 LONG BEACH, <u>LONG BEACH, CA</u> Chevron PM: Y. M. TUAN Chevron PM Phone No.: (714) 671-3373				Chevron Consultant: SAIC Address: 570 W. Central Ave., Suite A, Brea CA 92801 Consultant Contact: Karen Simons Consultant Phone No. (714) 257-6409 Consultant Project No. OS 1017 - f52 Sampling Company: BTST Sampled By (Print): FRANCIS SIMONS Sampler Signature: 				ANALYSES REQUIRED				Special Instructions All 8260 analyses must conform to LARWQCB mandated detection limits. Numerically quantify results detected between the MDL and PQL and "J" flag them.							
<input checked="" type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job Charge Code: NWRTB-0090857-0-OML NWRTB 00SITE NUMBER-0- WBS (WBS ELEMENTS: SITE ASSMT: A1L/SITE MONT.: OML/REMD. IMPL.: R5L/OP. MAINT. & MON.: M1L) <input type="checkbox"/> Construction/Retail Job <i>THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.</i>				<table border="1"> <tr> <td>Del Mar Analytical</td> <td>Lancaster Laboratories</td> <td>Other Lab</td> </tr> <tr> <td> <input checked="" type="checkbox"/> Irvine, CA <input type="checkbox"/> Colton, CA Lab Contact: Phone No: <input checked="" type="checkbox"/> (949) 261-1022 <input type="checkbox"/> (909) 370-4667 </td> <td> <input type="checkbox"/> Lancaster, PA Lab Contact: Teresa Cunningham Phone No: <input type="checkbox"/> (717) 656-2300 </td> <td></td> </tr> </table>				Del Mar Analytical	Lancaster Laboratories	Other Lab	<input checked="" type="checkbox"/> Irvine, CA <input type="checkbox"/> Colton, CA Lab Contact: Phone No: <input checked="" type="checkbox"/> (949) 261-1022 <input type="checkbox"/> (909) 370-4667	<input type="checkbox"/> Lancaster, PA Lab Contact: Teresa Cunningham Phone No: <input type="checkbox"/> (717) 656-2300		<input checked="" type="checkbox"/> DRO <input type="checkbox"/> ORO <input type="checkbox"/> TPHd <input type="checkbox"/> HC SCREEN <input type="checkbox"/> <input type="checkbox"/> EPA 8015B <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> <input type="checkbox"/> EPA 8021B TPH-G <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> OXYGENATES <input checked="" type="checkbox"/> HVAC <input type="checkbox"/> <input type="checkbox"/> EPA 8260B TPH-G <input checked="" type="checkbox"/> MTBE <input type="checkbox"/> STLC <input type="checkbox"/> <input type="checkbox"/> EPA 6010 CA, FE, K, MG, MN, NA <input type="checkbox"/> <input type="checkbox"/> EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/> TTLC <input type="checkbox"/> STLC <input type="checkbox"/> <input type="checkbox"/> EPA 150.1 PH <input type="checkbox"/> EPA 310.1 ALKALINITY <input type="checkbox"/> <input type="checkbox"/> SM 2510B SPECIFIC CONDUCTIVITY <input type="checkbox"/> <input type="checkbox"/> EPA 413.1 TRPH <input type="checkbox"/> EPA 413.1 OIL/GREASES <input type="checkbox"/>					
Del Mar Analytical	Lancaster Laboratories	Other Lab																	
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												Temp. Blank Check Time Temp. 1000 3°C 2000 3°C 1400 3°C							
												Notes/Comments							
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	Container Type	# of Containers	Preservation												
MW-2	W		051017	1156	V04	4	HCl												
MW-4				1223															
MW-5				1315															
MW-6				1345															
MW-7				1335															
MW-8				1120															
MW-9				1048															
QA	T			1000		2													
Relinquished By	Company	Date/Time:		Relinquished To	Company							Turnaround Time:							
<i>BTS</i>	BTS	10/17/05 1530		<i>Francis Simons</i>	<i>JG</i>	(SAMPLE)						24 Hours <input type="checkbox"/>	Standard <input checked="" type="checkbox"/>						
Relinquished By	Company	Date/Time:		Relinquished To	Company							48 hours <input type="checkbox"/>	Other <input type="checkbox"/>						
<i>Melvin (Sample Custodian)</i>	BTS	10/17/05 1330		<i>Melvin</i>	DMS	10/18/05 1330													
Relinquished By	Company	Date/Time:		Relinquished To	Company							Sample Integrity: (Check by lab on arrival)							
												Intact: <input type="checkbox"/>	On Ice: <input type="checkbox"/>	Temp: <input type="checkbox"/>					

WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client CHEVRON Date 10-17-05

Site Address 1790 LONG BEACH BLVD. LONG BEACH

Job Number 051017 - FS2 Technician F3

NOTES:

ATTACHMENT 7

LABORATORY ANALYSES AND CHAIN OF CUSTODY FORMS



Del Mar Analytical

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Karen Simons

Project: CVX 9-0857
Long Beach, CA
Sampled: 10/17/05
Received: 10/18/05
Issued: 11/01/05 07:14

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOJ1257-01	MW-2-W-051017	Water
IOJ1257-02	MW-4-W-051017	Water
IOJ1257-03	MW-5-W-051017	Water
IOJ1257-04	MW-6-W-051017	Water
IOJ1257-05	MW-7-W-051017	Water
IOJ1257-06	MW-8-W-051017	Water
IOJ1257-07	MW-9-W-051017	Water
IOJ1257-08	QA-T-051017	Water

Reviewed By:

Debby Wilson

Del Mar Analytical, Irvine
Debby Wilson
Project Manager



SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Karen Simons

Project ID: CVX 9-0857
 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1257-01 (MW-2-W-051017 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5J27099	50	100	ND	1	10/27/05	10/27/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOJ1257-02 (MW-4-W-051017 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5J27045	50	100	ND	1	10/27/05	10/27/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOJ1257-03 (MW-5-W-051017 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5J27099	50	100	1000	1	10/27/05	10/27/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOJ1257-04 (MW-6-W-051017 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5J27099	500	1000	1600	10	10/27/05	10/27/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOJ1257-05 (MW-7-W-051017 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5J28043	50	100	ND	1	10/28/05	10/28/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOJ1257-06 (MW-8-W-051017 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5J27045	50	100	ND	1	10/27/05	10/27/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOJ1257-07 (MW-9-W-051017 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5J28043	50	100	ND	1	10/28/05	10/28/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOJ1257-08 (QA-T-051017 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5J27099	50	100	ND	1	10/27/05	10/27/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									

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Project ID: CVX 9-0857
 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IOJ1257-01 (MW-2-W-051017 - Water)

Reporting Units: ug/l

Benzene	EPA 8260B	5J22014	0.28	5.0	ND	1	10/22/05	10/22/05
Ethylbenzene	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05
Toluene	EPA 8260B	5J22014	0.36	5.0	ND	1	10/22/05	10/22/05
o-Xylene	EPA 8260B	5J22014	0.24	5.0	ND	1	10/22/05	10/22/05
m,p-Xylenes	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05
Xylenes, Total	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05
Di-isopropyl Ether (DIPE)	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J22014	0.28	5.0	ND	1	10/22/05	10/22/05
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J22014	0.33	5.0	ND	1	10/22/05	10/22/05
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J22014	0.32	5.0	6.4	1	10/22/05	10/22/05
tert-Butanol (TBA)	EPA 8260B	5J22014	3.1	25	ND	1	10/22/05	10/22/05

Surrogate: Dibromoformmethane (80-120%)

112 %

Surrogate: Toluene-d8 (80-120%)

104 %

Surrogate: 4-Bromofluorobenzene (80-120%)

102 %

Sample ID: IOJ1257-02 (MW-4-W-051017 - Water)

Reporting Units: ug/l

Benzene	EPA 8260B	5J22014	0.28	5.0	0.34	1	10/22/05	10/22/05	J
Ethylbenzene	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05	
Toluene	EPA 8260B	5J22014	0.36	5.0	ND	1	10/22/05	10/22/05	
o-Xylene	EPA 8260B	5J22014	0.24	5.0	ND	1	10/22/05	10/22/05	
m,p-Xylenes	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05	
Xylenes, Total	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J22014	0.28	5.0	ND	1	10/22/05	10/22/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J22014	0.33	5.0	ND	1	10/22/05	10/22/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J22014	0.32	5.0	3.3	1	10/22/05	10/22/05	J

Surrogate: Dibromoformmethane (80-120%)

111 %

Surrogate: Toluene-d8 (80-120%)

105 %

Surrogate: 4-Bromofluorobenzene (80-120%)

101 %

Sample ID: IOJ1257-02RE1 (MW-4-W-051017 - Water)

Reporting Units: ug/l

tert-Butanol (TBA)	EPA 8260B	5J25021	3.1	25	28	1	10/25/05	10/25/05
<i>Surrogate: Dibromoformmethane (80-120%)</i>								
<i>108 %</i>								
<i>Surrogate: Toluene-d8 (80-120%)</i>								
<i>100 %</i>								
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
<i>97 %</i>								

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 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IOJ1257-03 (MW-5-W-051017 - Water)

Reporting Units: ug/l

Benzene	EPA 8260B	5J23007	0.70	12	150	2.5	10/23/05	10/23/05	
Ethylbenzene	EPA 8260B	5J23007	0.62	12	8.8	2.5	10/23/05	10/23/05	J
Toluene	EPA 8260B	5J23007	0.90	12	2.6	2.5	10/23/05	10/23/05	J
o-Xylene	EPA 8260B	5J23007	0.60	12	ND	2.5	10/23/05	10/23/05	
m,p-Xylenes	EPA 8260B	5J23007	1.3	12	ND	2.5	10/23/05	10/23/05	
Xylenes, Total	EPA 8260B	5J23007	1.3	12	ND	2.5	10/23/05	10/23/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J23007	0.62	12	ND	2.5	10/23/05	10/23/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J23007	0.70	12	ND	2.5	10/23/05	10/23/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J23007	0.82	12	ND	2.5	10/23/05	10/23/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J23007	0.80	12	35	2.5	10/23/05	10/23/05	
tert-Butanol (TBA)	EPA 8260B	5J23007	7.8	62	25	2.5	10/23/05	10/23/05	ID, J
<i>Surrogate: Dibromofluoromethane (80-120%)</i>							112 %		
<i>Surrogate: Toluene-d8 (80-120%)</i>							104 %		
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>							103 %		

Sample ID: IOJ1257-04 (MW-6-W-051017 - Water)

Reporting Units: ug/l

Benzene	EPA 8260B	5J23007	0.70	12	38	2.5	10/23/05	10/23/05	
Ethylbenzene	EPA 8260B	5J23007	0.62	12	160	2.5	10/23/05	10/23/05	
Toluene	EPA 8260B	5J23007	0.90	12	0.90	2.5	10/23/05	10/23/05	J
o-Xylene	EPA 8260B	5J23007	0.60	12	ND	2.5	10/23/05	10/23/05	
m,p-Xylenes	EPA 8260B	5J23007	1.3	12	80	2.5	10/23/05	10/23/05	
Xylenes, Total	EPA 8260B	5J23007	1.3	12	81	2.5	10/23/05	10/23/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J23007	0.62	12	ND	2.5	10/23/05	10/23/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J23007	0.70	12	ND	2.5	10/23/05	10/23/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J23007	0.82	12	ND	2.5	10/23/05	10/23/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J23007	0.80	12	19	2.5	10/23/05	10/23/05	
tert-Butanol (TBA)	EPA 8260B	5J23007	7.8	62	180	2.5	10/23/05	10/23/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>							110 %		
<i>Surrogate: Toluene-d8 (80-120%)</i>							104 %		
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>							100 %		

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 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IOJ1257-05 (MW-7-W-051017 - Water)

Reporting Units: ug/l									
Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Benzene	EPA 8260B	5J22014	0.28	5.0	ND	1	10/22/05	10/22/05	
Ethylbenzene	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05	
Toluene	EPA 8260B	5J22014	0.36	5.0	ND	1	10/22/05	10/22/05	
o-Xylene	EPA 8260B	5J22014	0.24	5.0	ND	1	10/22/05	10/22/05	
m,p-Xylenes	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05	
Xylenes, Total	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J22014	0.28	5.0	ND	1	10/22/05	10/22/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J22014	0.33	5.0	ND	1	10/22/05	10/22/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J22014	0.32	5.0	11	1	10/22/05	10/22/05	
tert-Butanol (TBA)	EPA 8260B	5J22014	3.1	25	ND	1	10/22/05	10/22/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									
110 %									
<i>Surrogate: Toluene-d8 (80-120%)</i>									
105 %									
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									
103 %									

Sample ID: IOJ1257-06 (MW-8-W-051017 - Water)

Reporting Units: ug/l									
Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Benzene	EPA 8260B	5J22014	0.28	5.0	1.3	1	10/22/05	10/22/05	J
Ethylbenzene	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05	
Toluene	EPA 8260B	5J22014	0.36	5.0	0.50	1	10/22/05	10/22/05	J
o-Xylene	EPA 8260B	5J22014	0.24	5.0	ND	1	10/22/05	10/22/05	
m,p-Xylenes	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05	
Xylenes, Total	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J22014	0.28	5.0	ND	1	10/22/05	10/22/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J22014	0.33	5.0	ND	1	10/22/05	10/22/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J22014	0.32	5.0	2.0	1	10/22/05	10/22/05	J
tert-Butanol (TBA)	EPA 8260B	5J22014	3.1	25	ND	1	10/22/05	10/22/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									
114 %									
<i>Surrogate: Toluene-d8 (80-120%)</i>									
106 %									
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									
102 %									

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 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IOJ1257-07 (MW-9-W-051017 - Water)

Reporting Units: ug/l

Benzene	EPA 8260B	5J22014	0.28	5.0	ND	1	10/22/05	10/22/05	
Ethylbenzene	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05	
Toluene	EPA 8260B	5J22014	0.36	5.0	ND	1	10/22/05	10/22/05	
o-Xylene	EPA 8260B	5J22014	0.24	5.0	ND	1	10/22/05	10/22/05	
m,p-Xylenes	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05	
Xylenes, Total	EPA 8260B	5J22014	0.52	5.0	ND	1	10/22/05	10/22/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J22014	0.25	5.0	ND	1	10/22/05	10/22/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J22014	0.28	5.0	ND	1	10/22/05	10/22/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J22014	0.33	5.0	ND	1	10/22/05	10/22/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J22014	0.32	5.0	1.1	1	10/22/05	10/22/05	J
tert-Butanol (TBA)	EPA 8260B	5J22014	3.1	25	ND	1	10/22/05	10/22/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									110 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									105 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									101 %

Sample ID: IOJ1257-08 (QA-T-051017 - Water)

Reporting Units: ug/l

Benzene	EPA 8260B	5J25016	0.28	5.0	ND	1	10/25/05	10/25/05	
Ethylbenzene	EPA 8260B	5J25016	0.25	5.0	ND	1	10/25/05	10/25/05	
Toluene	EPA 8260B	5J25016	0.36	5.0	ND	1	10/25/05	10/25/05	
o-Xylene	EPA 8260B	5J25016	0.24	5.0	ND	1	10/25/05	10/25/05	
m,p-Xylenes	EPA 8260B	5J25016	0.52	5.0	ND	1	10/25/05	10/25/05	
Xylenes, Total	EPA 8260B	5J25016	0.52	5.0	ND	1	10/25/05	10/25/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J25016	0.25	5.0	ND	1	10/25/05	10/25/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J25016	0.28	5.0	ND	1	10/25/05	10/25/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J25016	0.33	5.0	ND	1	10/25/05	10/25/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J25016	0.32	5.0	ND	1	10/25/05	10/25/05	
tert-Butanol (TBA)	EPA 8260B	5J25016	3.1	25	ND	1	10/25/05	10/25/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									111 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									104 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									100 %

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Project ID: CVX 9-0857
 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 5J27045 Extracted: 10/27/05

Blank Analyzed: 10/27/2005 (5J27045-BLK1)

GRO (C4 - C12)	ND	100	50	ug/l						
Surrogate: 4-BFB (FID)	9.46			ug/l	10.0		95	65-140		

LCS Analyzed: 10/27/2005 (5J27045-BS1)

GRO (C4 - C12)	745	100	50	ug/l	800		93	65-140		
Surrogate: 4-BFB (FID)	34.1			ug/l	30.0		114	65-140		

Matrix Spike Analyzed: 10/27/2005 (5J27045-MS1)

GRO (C4 - C12)	221	100	50	ug/l	220	ND	100	60-145		
Surrogate: 4-BFB (FID)	11.1			ug/l	10.0		111	65-140		

Matrix Spike Dup Analyzed: 10/27/2005 (5J27045-MSD1)

GRO (C4 - C12)	225	100	50	ug/l	220	ND	102	60-145	2	20
Surrogate: 4-BFB (FID)	10.9			ug/l	10.0		109	65-140		

Batch: 5J27099 Extracted: 10/27/05

Blank Analyzed: 10/27/2005 (5J27099-BLK1)

GRO (C4 - C12)	ND	100	50	ug/l						
Surrogate: 4-BFB (FID)	10.3			ug/l	10.0		103	65-140		

LCS Analyzed: 10/27/2005 (5J27099-BS1)

GRO (C4 - C12)	882	100	50	ug/l	800		110	65-140		
Surrogate: 4-BFB (FID)	34.3			ug/l	30.0		114	65-140		

Matrix Spike Analyzed: 10/27/2005 (5J27099-MS1)

GRO (C4 - C12)	280	100	50	ug/l	220	ND	127	60-145		
Surrogate: 4-BFB (FID)	13.2			ug/l	10.0		132	65-140		

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 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 5J27099 Extracted: 10/27/05

Matrix Spike Dup Analyzed: 10/27/2005 (5J27099-MSD1) **Source: IOJ1257-01**

GRO (C4 - C12)	288	100	50	ug/l	220	ND	131	60-145	3	20
Surrogate: 4-BFB (FID)	13.3			ug/l	10.0		133	65-140		

Batch: 5J28043 Extracted: 10/28/05

Blank Analyzed: 10/28/2005 (5J28043-BLK1)

GRO (C4 - C12)	ND	100	50	ug/l						
Surrogate: 4-BFB (FID)	9.47			ug/l	10.0		95	65-140		

LCS Analyzed: 10/28/2005 (5J28043-BS1)

GRO (C4 - C12)	634	100	50	ug/l	800		79	65-140		
Surrogate: 4-BFB (FID)	27.4			ug/l	30.0		91	65-140		

Matrix Spike Analyzed: 10/28/2005 (5J28043-MS1) **Source: IOJ1395-02**

GRO (C4 - C12)	250	100	50	ug/l	220	ND	114	60-145		
Surrogate: 4-BFB (FID)	13.3			ug/l	10.0		133	65-140		

Matrix Spike Dup Analyzed: 10/28/2005 (5J28043-MSD1) **Source: IOJ1395-02**

GRO (C4 - C12)	264	100	50	ug/l	220	ND	120	60-145	5	20
Surrogate: 4-BFB (FID)	12.5			ug/l	10.0		125	65-140		

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Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 5J22014 Extracted: 10/22/05

Blank Analyzed: 10/22/2005 (5J22014-BLK1)

Benzene	ND	5.0	0.28	ug/l							
Ethylbenzene	ND	5.0	0.25	ug/l							
Toluene	ND	5.0	0.36	ug/l							
o-Xylene	ND	5.0	0.24	ug/l							
m,p-Xylenes	ND	5.0	0.52	ug/l							
Xylenes, Total	ND	5.0	0.52	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	0.25	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.28	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.33	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
tert-Butanol (TBA)	ND	25	3.1	ug/l							
<i>Surrogate: Dibromofluoromethane</i>	26.6			ug/l	25.0		106	80-120			
<i>Surrogate: Toluene-d8</i>	26.4			ug/l	25.0		106	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	24.9			ug/l	25.0		100	80-120			

LCS Analyzed: 10/22/2005 (5J22014-BS1)

Benzene	23.8	5.0	0.28	ug/l	25.0		95	65-120			
Ethylbenzene	23.6	5.0	0.25	ug/l	25.0		94	70-125			
Toluene	22.2	5.0	0.36	ug/l	25.0		89	70-125			
o-Xylene	22.6	5.0	0.24	ug/l	25.0		90	70-125			
m,p-Xylenes	45.9	5.0	0.52	ug/l	50.0		92	70-125			
Xylenes, Total	68.4	5.0	0.52	ug/l	75.0		91	70-125			
Di-isopropyl Ether (DIPE)	23.7	5.0	0.25	ug/l	25.0		95	60-135			
Ethyl tert-Butyl Ether (ETBE)	21.8	5.0	0.28	ug/l	25.0		87	60-135			
tert-Amyl Methyl Ether (TAME)	22.0	5.0	0.33	ug/l	25.0		88	60-135			
Methyl-tert-butyl Ether (MTBE)	21.6	5.0	0.32	ug/l	25.0		86	55-140			
tert-Butanol (TBA)	116	25	3.1	ug/l	125		93	65-135			
<i>Surrogate: Dibromofluoromethane</i>	26.2			ug/l	25.0		105	80-120			
<i>Surrogate: Toluene-d8</i>	26.5			ug/l	25.0		106	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	24.5			ug/l	25.0		98	80-120			

Del Mar Analytical, Irvine
 Debby Wilson
 Project Manager



SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Karen Simons

Project ID: CVX 9-0857
 Long Beach, CA
 Report Number: IOJ1257

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Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5J22014 Extracted: 10/22/05

Matrix Spike Analyzed: 10/22/2005 (5J22014-MS1)

						Source: IOJ1149-10		
Benzene	52.6	5.0	0.28	ug/l	25.0	33	78	60-125
Ethylbenzene	30.3	5.0	0.25	ug/l	25.0	6.9	94	65-130
Toluene	33.0	5.0	0.36	ug/l	25.0	14	76	65-125
o-Xylene	71.3	5.0	0.24	ug/l	25.0	53	73	60-125
m,p-Xylenes	155	5.0	0.52	ug/l	50.0	120	70	60-130
Xylenes, Total	226	5.0	0.52	ug/l	75.0	180	61	60-130
Di-isopropyl Ether (DIPE)	22.9	5.0	0.25	ug/l	25.0	ND	92	60-140
Ethyl tert-Butyl Ether (ETBE)	21.4	5.0	0.28	ug/l	25.0	ND	86	55-135
tert-Amyl Methyl Ether (TAME)	21.7	5.0	0.33	ug/l	25.0	ND	87	55-140
Methyl-tert-butyl Ether (MTBE)	22.3	5.0	0.32	ug/l	25.0	0.57	87	50-150
tert-Butanol (TBA)	137	25	3.1	ug/l	125	ND	110	60-145
<i>Surrogate: Dibromofluoromethane</i>	26.2			ug/l	25.0		105	80-120
<i>Surrogate: Toluene-d8</i>	26.2			ug/l	25.0		105	80-120
<i>Surrogate: 4-Bromofluorobenzene</i>	25.6			ug/l	25.0		102	80-120

Matrix Spike Dup Analyzed: 10/22/2005 (5J22014-MSD1)

						Source: IOJ1149-10		
Benzene	55.1	5.0	0.28	ug/l	25.0	33	88	60-125
Ethylbenzene	30.7	5.0	0.25	ug/l	25.0	6.9	95	65-130
Toluene	35.3	5.0	0.36	ug/l	25.0	14	85	65-125
o-Xylene	71.2	5.0	0.24	ug/l	25.0	53	73	60-125
m,p-Xylenes	154	5.0	0.52	ug/l	50.0	120	68	60-130
Xylenes, Total	225	5.0	0.52	ug/l	75.0	180	60	60-130
Di-isopropyl Ether (DIPE)	27.0	5.0	0.25	ug/l	25.0	ND	108	60-140
Ethyl tert-Butyl Ether (ETBE)	27.2	5.0	0.28	ug/l	25.0	ND	109	55-135
tert-Amyl Methyl Ether (TAME)	29.0	5.0	0.33	ug/l	25.0	ND	116	55-140
Methyl-tert-butyl Ether (MTBE)	30.8	5.0	0.32	ug/l	25.0	0.57	121	50-150
tert-Butanol (TBA)	133	25	3.1	ug/l	125	ND	106	60-145
<i>Surrogate: Dibromofluoromethane</i>	27.0			ug/l	25.0		108	80-120
<i>Surrogate: Toluene-d8</i>	26.2			ug/l	25.0		105	80-120
<i>Surrogate: 4-Bromofluorobenzene</i>	25.6			ug/l	25.0		102	80-120

Del Mar Analytical, Irvine
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 Project Manager



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Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 5J23007 Extracted: 10/23/05

Blank Analyzed: 10/23/2005 (5J23007-BLK1)

Benzene	ND	5.0	0.28	ug/l							
Ethylbenzene	ND	5.0	0.25	ug/l							
Toluene	ND	5.0	0.36	ug/l							
o-Xylene	ND	5.0	0.24	ug/l							
m,p-Xylenes	ND	5.0	0.52	ug/l							
Xylenes, Total	ND	5.0	0.52	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	0.25	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.28	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.33	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
tert-Butanol (TBA)	ND	25	3.1	ug/l							
<i>Surrogate: Dibromofluoromethane</i>	27.8			ug/l	25.0		111	80-120			
<i>Surrogate: Toluene-d8</i>	26.2			ug/l	25.0		105	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.2			ug/l	25.0		101	80-120			

LCS Analyzed: 10/23/2005 (5J23007-BS1)

Benzene	22.5	5.0	0.28	ug/l	25.0		90	65-120			
Ethylbenzene	22.6	5.0	0.25	ug/l	25.0		90	70-125			
Toluene	20.8	5.0	0.36	ug/l	25.0		83	70-125			
o-Xylene	21.6	5.0	0.24	ug/l	25.0		86	70-125			
m,p-Xylenes	43.6	5.0	0.52	ug/l	50.0		87	70-125			
Xylenes, Total	65.2	5.0	0.52	ug/l	75.0		87	70-125			
Di-isopropyl Ether (DIPE)	22.7	5.0	0.25	ug/l	25.0		91	60-135			
Ethyl tert-Butyl Ether (ETBE)	21.0	5.0	0.28	ug/l	25.0		84	60-135			
tert-Amyl Methyl Ether (TAME)	21.0	5.0	0.33	ug/l	25.0		84	60-135			
Methyl-tert-butyl Ether (MTBE)	20.7	5.0	0.32	ug/l	25.0		83	55-140			
tert-Butanol (TBA)	122	25	3.1	ug/l	125		98	65-135			
<i>Surrogate: Dibromofluoromethane</i>	26.4			ug/l	25.0		106	80-120			
<i>Surrogate: Toluene-d8</i>	26.5			ug/l	25.0		106	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	24.9			ug/l	25.0		100	80-120			

Del Mar Analytical, Irvine
 Debby Wilson
 Project Manager



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Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5J23007 Extracted: 10/23/05

Matrix Spike Analyzed: 10/23/2005 (5J23007-MS1)

		Source: IOJ1080-06						
Benzene	26.5	5.0	0.28	ug/l	25.0	ND	106	60-125
Ethylbenzene	26.3	5.0	0.25	ug/l	25.0	ND	105	65-130
Toluene	24.7	5.0	0.36	ug/l	25.0	ND	99	65-125
o-Xylene	25.1	5.0	0.24	ug/l	25.0	ND	100	60-125
m,p-Xylenes	51.6	5.0	0.52	ug/l	50.0	ND	103	60-130
Xylenes, Total	76.8	5.0	0.52	ug/l	75.0	ND	102	60-130
Di-isopropyl Ether (DIPE)	27.8	5.0	0.25	ug/l	25.0	ND	111	60-140
Ethyl tert-Butyl Ether (ETBE)	26.4	5.0	0.28	ug/l	25.0	ND	106	55-135
tert-Amyl Methyl Ether (TAME)	27.0	5.0	0.33	ug/l	25.0	ND	108	55-140
Methyl-tert-butyl Ether (MTBE)	27.8	5.0	0.32	ug/l	25.0	ND	111	50-150
tert-Butanol (TBA)	149	25	3.1	ug/l	125	ND	119	60-145
<i>Surrogate: Dibromofluoromethane</i>	26.7			ug/l	25.0		107	80-120
<i>Surrogate: Toluene-d8</i>	26.5			ug/l	25.0		106	80-120
<i>Surrogate: 4-Bromofluorobenzene</i>	25.7			ug/l	25.0		103	80-120

Matrix Spike Dup Analyzed: 10/23/2005 (5J23007-MSD1)

		Source: IOJ1080-06						
Benzene	26.1	5.0	0.28	ug/l	25.0	ND	104	60-125
Ethylbenzene	25.4	5.0	0.25	ug/l	25.0	ND	102	65-130
Toluene	23.9	5.0	0.36	ug/l	25.0	ND	96	65-125
o-Xylene	24.5	5.0	0.24	ug/l	25.0	ND	98	60-125
m,p-Xylenes	49.2	5.0	0.52	ug/l	50.0	ND	98	60-130
Xylenes, Total	73.6	5.0	0.52	ug/l	75.0	ND	98	60-130
Di-isopropyl Ether (DIPE)	28.7	5.0	0.25	ug/l	25.0	ND	115	60-140
Ethyl tert-Butyl Ether (ETBE)	28.4	5.0	0.28	ug/l	25.0	ND	114	55-135
tert-Amyl Methyl Ether (TAME)	29.8	5.0	0.33	ug/l	25.0	ND	119	55-140
Methyl-tert-butyl Ether (MTBE)	30.2	5.0	0.32	ug/l	25.0	ND	121	50-150
tert-Butanol (TBA)	127	25	3.1	ug/l	125	ND	102	60-145
<i>Surrogate: Dibromofluoromethane</i>	27.2			ug/l	25.0		109	80-120
<i>Surrogate: Toluene-d8</i>	26.0			ug/l	25.0		104	80-120
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0			ug/l	25.0		100	80-120

Del Mar Analytical, Irvine
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Project ID: CVX 9-0857
 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 5J25016 Extracted: 10/25/05

Blank Analyzed: 10/25/2005 (5J25016-BLK1)

Benzene	ND	5.0	0.28	ug/l							
Ethylbenzene	ND	5.0	0.25	ug/l							
Toluene	ND	5.0	0.36	ug/l							
o-Xylene	ND	5.0	0.24	ug/l							
m,p-Xylenes	ND	5.0	0.52	ug/l							
Xylenes, Total	ND	5.0	0.52	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	0.25	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.28	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.33	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
tert-Butanol (TBA)	ND	25	3.1	ug/l							
<i>Surrogate: Dibromofluoromethane</i>	27.0			ug/l	25.0		108	80-120			
<i>Surrogate: Toluene-d8</i>	26.4			ug/l	25.0		106	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	24.8			ug/l	25.0		99	80-120			

LCS Analyzed: 10/25/2005 (5J25016-BS1)

Benzene	23.5	5.0	0.28	ug/l	25.0		94	65-120			
Ethylbenzene	23.7	5.0	0.25	ug/l	25.0		95	70-125			
Toluene	22.5	5.0	0.36	ug/l	25.0		90	70-125			
o-Xylene	22.7	5.0	0.24	ug/l	25.0		91	70-125			
m,p-Xylenes	45.7	5.0	0.52	ug/l	50.0		91	70-125			
Xylenes, Total	68.4	5.0	0.52	ug/l	75.0		91	70-125			
Di-isopropyl Ether (DIPE)	25.8	5.0	0.25	ug/l	25.0		103	60-135			
Ethyl tert-Butyl Ether (ETBE)	25.4	5.0	0.28	ug/l	25.0		102	60-135			
tert-Amyl Methyl Ether (TAME)	26.8	5.0	0.33	ug/l	25.0		107	60-135			
Methyl-tert-butyl Ether (MTBE)	27.4	5.0	0.32	ug/l	25.0		110	55-140			
tert-Butanol (TBA)	120	25	3.1	ug/l	125		96	65-135			
<i>Surrogate: Dibromofluoromethane</i>	27.1			ug/l	25.0		108	80-120			
<i>Surrogate: Toluene-d8</i>	26.4			ug/l	25.0		106	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.3			ug/l	25.0		101	80-120			

Del Mar Analytical, Irvine
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Project ID: CVX 9-0857
 Long Beach, CA
 Report Number: IOJ1257
 Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5J25016 Extracted: 10/25/05

Matrix Spike Analyzed: 10/25/2005 (5J25016-MS1)

		Source: IOJ1538-02								
Benzene	494	50	2.8	ug/l	250	250	98	60-125		
Ethylbenzene	266	50	2.5	ug/l	250	4.3	105	65-130		
Toluene	258	50	3.6	ug/l	250	6.1	101	65-125		
o-Xylene	259	50	2.4	ug/l	250	ND	104	60-125		
m,p-Xylenes	521	50	5.2	ug/l	500	10	102	60-130		
Xylenes, Total	780	50	5.2	ug/l	750	12	102	60-130		
Di-isopropyl Ether (DIPE)	296	50	2.5	ug/l	250	ND	118	60-140		
Ethyl tert-Butyl Ether (ETBE)	286	50	2.8	ug/l	250	ND	114	55-135		
tert-Amyl Methyl Ether (TAME)	295	50	3.3	ug/l	250	ND	118	55-140		
Methyl-tert-butyl Ether (MTBE)	300	50	3.2	ug/l	250	ND	120	50-150		
tert-Butanol (TBA)	1540	250	31	ug/l	1250	63	118	60-145		
Surrogate: Dibromofluoromethane	272			ug/l	250		109	80-120		
Surrogate: Toluene-d8	266			ug/l	250		106	80-120		
Surrogate: 4-Bromofluorobenzene	254			ug/l	250		102	80-120		

Matrix Spike Dup Analyzed: 10/25/2005 (5J25016-MSD1)

		Source: IOJ1538-02								
Benzene	498	50	2.8	ug/l	250	250	99	60-125	1	20
Ethylbenzene	281	50	2.5	ug/l	250	4.3	111	65-130	5	20
Toluene	267	50	3.6	ug/l	250	6.1	104	65-125	3	20
o-Xylene	267	50	2.4	ug/l	250	ND	107	60-125	3	20
m,p-Xylenes	542	50	5.2	ug/l	500	10	106	60-130	4	25
Xylenes, Total	809	50	5.2	ug/l	750	12	106	60-130	4	20
Di-isopropyl Ether (DIPE)	295	50	2.5	ug/l	250	ND	118	60-140	0	25
Ethyl tert-Butyl Ether (ETBE)	279	50	2.8	ug/l	250	ND	112	55-135	2	25
tert-Amyl Methyl Ether (TAME)	288	50	3.3	ug/l	250	ND	115	55-140	2	30
Methyl-tert-butyl Ether (MTBE)	291	50	3.2	ug/l	250	ND	116	50-150	3	25
tert-Butanol (TBA)	1430	250	31	ug/l	1250	63	109	60-145	7	25
Surrogate: Dibromofluoromethane	262			ug/l	250		105	80-120		
Surrogate: Toluene-d8	263			ug/l	250		105	80-120		
Surrogate: 4-Bromofluorobenzene	247			ug/l	250		99	80-120		

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 Received: 10/18/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 5J25021 Extracted: 10/25/05

Blank Analyzed: 10/25/2005 (5J25021-BLK1)

Benzene	ND	5.0	0.28	ug/l							
Ethylbenzene	ND	5.0	0.25	ug/l							
Toluene	ND	5.0	0.36	ug/l							
o-Xylene	ND	5.0	0.24	ug/l							
m,p-Xylenes	ND	5.0	0.52	ug/l							
Xylenes, Total	ND	5.0	0.52	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	0.25	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.28	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.33	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
tert-Butanol (TBA)	ND	25	3.1	ug/l							
<i>Surrogate: Dibromofluoromethane</i>	24.4			ug/l	25.0		98	80-120			
<i>Surrogate: Toluene-d8</i>	24.4			ug/l	25.0		98	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	24.3			ug/l	25.0		97	80-120			

LCS Analyzed: 10/25/2005 (5J25021-BS1)

Benzene	20.1	5.0	0.28	ug/l	25.0		80	65-120			
Ethylbenzene	22.1	5.0	0.25	ug/l	25.0		88	70-125			
Toluene	20.8	5.0	0.36	ug/l	25.0		83	70-125			
o-Xylene	21.2	5.0	0.24	ug/l	25.0		85	70-125			
m,p-Xylenes	43.4	5.0	0.52	ug/l	50.0		87	70-125			
Xylenes, Total	64.5	5.0	0.52	ug/l	75.0		86	70-125			
Di-isopropyl Ether (DIPE)	20.6	5.0	0.25	ug/l	25.0		82	60-135			
Ethyl tert-Butyl Ether (ETBE)	20.9	5.0	0.28	ug/l	25.0		84	60-135			
tert-Amyl Methyl Ether (TAME)	21.3	5.0	0.33	ug/l	25.0		85	60-135			
Methyl-tert-butyl Ether (MTBE)	20.4	5.0	0.32	ug/l	25.0		82	55-140			
tert-Butanol (TBA)	125	25	3.1	ug/l	125		100	65-135			
<i>Surrogate: Dibromofluoromethane</i>	24.5			ug/l	25.0		98	80-120			
<i>Surrogate: Toluene-d8</i>	24.3			ug/l	25.0		97	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.2			ug/l	25.0		101	80-120			

Del Mar Analytical, Irvine
 Debby Wilson
 Project Manager



SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Karen Simons

Project ID: CVX 9-0857
 Long Beach, CA
 Report Number: IOJ1257

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 10/17/05
 Received: 10/18/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5J25021 Extracted: 10/25/05

Matrix Spike Analyzed: 10/25/2005 (5J25021-MS1)

		Source: IOJ1398-01							
Benzene	20.1	5.0	0.28	ug/l	25.0	ND	80	60-125	
Ethylbenzene	21.2	5.0	0.25	ug/l	25.0	ND	85	65-130	
Toluene	20.7	5.0	0.36	ug/l	25.0	ND	83	65-125	
o-Xylene	20.4	5.0	0.24	ug/l	25.0	ND	82	60-125	
m,p-Xylenes	40.9	5.0	0.52	ug/l	50.0	ND	82	60-130	
Xylenes, Total	61.3	5.0	0.52	ug/l	75.0	ND	82	60-130	
Di-isopropyl Ether (DIPE)	21.2	5.0	0.25	ug/l	25.0	ND	85	60-140	
Ethyl tert-Butyl Ether (ETBE)	21.4	5.0	0.28	ug/l	25.0	ND	86	55-135	
tert-Amyl Methyl Ether (TAME)	21.6	5.0	0.33	ug/l	25.0	ND	86	55-140	
Methyl-tert-butyl Ether (MTBE)	20.5	5.0	0.32	ug/l	25.0	ND	82	50-150	
tert-Butanol (TBA)	128	25	3.1	ug/l	125	ND	102	60-145	
<i>Surrogate: Dibromofluoromethane</i>	24.7			ug/l	25.0		99	80-120	
<i>Surrogate: Toluene-d8</i>	24.4			ug/l	25.0		98	80-120	
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0			ug/l	25.0		100	80-120	

Matrix Spike Dup Analyzed: 10/25/2005 (5J25021-MSD1)

		Source: IOJ1398-01							
Benzene	20.8	5.0	0.28	ug/l	25.0	ND	83	60-125	3 20
Ethylbenzene	22.0	5.0	0.25	ug/l	25.0	ND	88	65-130	4 20
Toluene	21.2	5.0	0.36	ug/l	25.0	ND	85	65-125	2 20
o-Xylene	21.0	5.0	0.24	ug/l	25.0	ND	84	60-125	3 20
m,p-Xylenes	41.7	5.0	0.52	ug/l	50.0	ND	83	60-130	2 25
Xylenes, Total	62.7	5.0	0.52	ug/l	75.0	ND	84	60-130	2 20
Di-isopropyl Ether (DIPE)	22.0	5.0	0.25	ug/l	25.0	ND	88	60-140	4 25
Ethyl tert-Butyl Ether (ETBE)	22.2	5.0	0.28	ug/l	25.0	ND	89	55-135	4 25
tert-Amyl Methyl Ether (TAME)	22.4	5.0	0.33	ug/l	25.0	ND	90	55-140	4 30
Methyl-tert-butyl Ether (MTBE)	21.2	5.0	0.32	ug/l	25.0	ND	85	50-150	3 25
tert-Butanol (TBA)	129	25	3.1	ug/l	125	ND	103	60-145	1 25
<i>Surrogate: Dibromofluoromethane</i>	24.6			ug/l	25.0		98	80-120	
<i>Surrogate: Toluene-d8</i>	24.3			ug/l	25.0		97	80-120	
<i>Surrogate: 4-Bromofluorobenzene</i>	24.9			ug/l	25.0		100	80-120	

Del Mar Analytical, Irvine
 Debby Wilson
 Project Manager



SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Karen Simons

Project ID: CVX 9-0857
Long Beach, CA
Report Number: IOJ1257
Sampled: 10/17/05
Received: 10/18/05

DATA QUALIFIERS AND DEFINITIONS

- ID** Due to the low levels of analyte found in the sample, the analyte was qualitatively identified based on the compound's retention time and the presence of a single mass ion.
- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- R** The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

Del Mar Analytical, Irvine
Debby Wilson
Project Manager



Del Mar Analytical

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
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Project ID: CVX 9-0857
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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 8015 Mod.	Water	X	X
EPA 8260B	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Debby Wilson
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced,
except in full, without written permission from Del Mar Analytical.*

IOJ1257 <Page 18 of 18>

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292

COC 1 of 1

Chevron Site Global ID: T0603701945

Chevron Site Number: 90857

Chevron Site Address: 1790 LONG BEACH,

LONG BEACH, CA

Chevron PM: Y. M. TUAN

Chevron PM Phone No.: (714) 671-3373

 Retail and Terminal Business Unit (RTBU) Job

Charge Code: NWRTB-0090857-0-OML

NWRTB 00 SITE NUMBER-0- WBS

(WBS ELEMENTS: SITE ASSMT: A1L/SITE

MONT.: OML/REMD. IMPL.: R5L/OP. MAINT. & MON.: M1L)

 Construction/Retail JobTHIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT
CORRECTLY AND COMPLETELY.

Chevron Consultant: SAIC

Address: 570 W. Central Ave., Suite A, Brea CA 92801

Consultant Contact: Karen Simons

Consultant Phone No. (714) 257-6409

Consultant Project No. 051017-f52

Sampling Company: BTST

Sampled By (Print): FRANCIS SRINIVASAN

Sampler Signature: 

JO J1257

ANALYSES REQUIRED

Special Instructions
 All 8260 analyses must conform to LARWQCB mandated detection limits. Numerically quantify results detected between the MDL and PQL and "X" flag them.


Temp. Blank Check
Time Temp.

1000 3°C

2000 3°C

1400 3°C

— —

— —

Notes/Comments

Del Mar Analytical	Lancaster Laboratories	Other Lab
<input checked="" type="checkbox"/> Irvine, CA <input type="checkbox"/> Colton, CA Lab Contact: _____ Phone No: <input checked="" type="checkbox"/> (949) 261-1022 <input type="checkbox"/> (909) 370-4667	<input type="checkbox"/> Lancaster, PA Lab Contact: Teresa Cunningham Phone No: <input type="checkbox"/> (717) 656-2300	_____

SAMPLE ID	Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	Container Type	# of Containers	Preservation	EPA 8015B DRO	EPA 8021B BTEX	EPA 8260B TPH-G	EPA 6010 CA, FE, K, MG, MN, NA	EPA 6010/7000 TITLE 22 METALS	EPA 150.1 PH	SM 2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH	EPA 413.1 OIL/GREASES
MW-2	W			051017	1156	V04	4	HC1	X	X	X	X	X	X			
MW-4					1223												
MW-5					1315												
MW-6					1345												
MW-7					1335												
MW-8					1120												
MW-9					1048												
QA	T				1000		2		X	X							

Relinquished By Erin Company BTS Date/Time: 10/17/05 1500 Relinquished To Francis Srinivasan Company CUSTODIAN Date/Time: 10/17/05 1500 (SAMPLE)

Relinquished By Francis Srinivasan Company BTS Date/Time: 10/17/05 1330 Relinquished To DM11 Company DM11 Date/Time: 10/18/05 1330

Relinquished By DM11 Company DM11 Date/Time: 10/18/05 1420 Relinquished To Rebecca Company Rebecca Date/Time: 10/18/05 1420

Turnaround Time:
24 Hours Standard 48 hours Other

Sample Integrity: (Check by lab on arrival)

Intact: On Ice: Temp: 3°C

COC Revision 11, 01/03/05

ATTACHMENT 8

DISPOSAL RECORDS

CHEVRON-SOUTHERN CALIFORNIA TYPE A BILL OF LADING

SOURCE RECORD **BILL OF LADING**
 FOR NON-HAZARDOUS PURGEWATER RECOVERED
 FROM GROUNDWATER WELLS AT CHEVRON
 FACILITIES IN THE STATE OF CALIFORNIA. THE NON-
 HAZARDOUS PURGE- WATER WHICH HAS BEEN
 RECOVERED FROM GROUND- WATER WELLS IS
 COLLECTED BY THE CONTRACTOR, MADE UP INTO
 LOADS OF APPROPRIATE SIZE AND HAULED BY PSC
 TO THEIR FACILITY IN LONG BEACH, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE), 20735 Belshaw Ave., Carson, CA 90746 (phone [310] 885-4455). Blaine Tech Services, Inc. is authorized by CHEVRON PRODUCTS COMPANY to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purge water that is drawn from wells at the CHEVRON facility indicated below and to deliver that purgewater to BLAINE. Transport routing of the Non-Hazardous Well Purge water may be direct from one Chevron facility to BLAINE; from one Chevron facility to BLAINE via another Chevron facility; or any combination thereof. The Non-Hazardous Well Purge water is and remains the property of Chevron Products Company.

This Source Record **BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purge water from wells at the Chevron facility described below:

9-0857	Y.M. TUAN
CHEVRON #	Chevron Engineer
1790 LONG BEACH BLVD.	LONG BEACH
street number	street name
	city
	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-2	39	/	/
MW-4	47	/	/
MW-5	54	/	/
MW-6	23	/	/
MW-7	22	/	/
MW-8	12	/	/
MW-9	12	/	/
/	/	/	/
added equip.	/	any other	/
rinse water	11	adjustments	/
TOTAL GALS.		loaded onto	
RECOVERED	<u>220</u>	BTS vehicle #	<u>31</u>
BTS event #	<u>051017-FS2</u>	time	
signature	<u>F</u> <u>JD</u>	date	<u>10/17/05</u>

REC'D AT		time	
BTS		1430	<u>10/17/05</u>
unloaded by			
signature	<u>SM</u>	<u>JD</u>	